



**LEE COUNTY**  
SOUTHWEST FLORIDA  
BOARD OF COUNTY COMMISSIONERS

(239) 533-5450

John E. Manning  
*District One*

Cecil L. Pendergrass  
*District Two*

Larry Kiker  
*District Three*

Tammy Hall  
*District Four*

Frank Mann  
*District Five*

Roger Desjarlais  
*County Manager*

Andrea Fraser  
*Acting County Attorney*

Laura Belflower  
*Acting County Hearing Examiner*

August 5, 2013  
SOLICITATION NO.: RFQ130310

Curry Controls Company  
Daniel Curry  
4245 South Pipkin Rd  
Lakeland, FL 33811

**SUBJECT: CONTROL, TELEMETRY, SECURITY & SCADA INTEGRATION SERVICES**

**ENCLOSURE (1): Executed copy of Agreement**

Dear Mr. Curry:

Enclosed is your executed copy of the Construction Manager Agreement for the above-referenced project.

The contract number for this project is **6451**. This contract number will also serve as your Purchase Order Number for this project and **must** be on all invoice statements.

If you should have any questions, please contact our office at the above number.

Sincerely,  
PROCUREMENT MANAGEMENT

Diana Khan  
Office Manager

C: Doug Meyers, Project Manager, Utilities  
Kristin Miller, Utilities Fiscal,

PART E  
LEE COUNTY CONSTRUCTION CONTRACT  
AGREEMENT FORM

Contract No. 6451

Board Award Date: 6/19/13

AGREEMENT

made as of the 18th day of June in year of 2013  
BETWEEN the COUNTY: Board of County Commissioners, Lee County, Florida  
and the CONTRACTOR:

Curry Controls Company  
Daniel L. Curry  
4245 South Pipkin Road  
Lakeland, FL 33811  
P: 863.646.5781 F: 863.646.3899  
dannyc@currycontrols.com

Check Appropriate Line:

Individual  
 Partnership  
 Incorporated in the  
State of FL

in consideration of the mutual covenants herein set forth, agree as follows:

ARTICLE 1. WORK

The CONTRACTOR shall perform all the work required by the Contract Documents:

Scope of work: SCADA contractors or systems integrators to provide various repairs, services and new installations. work will be performed at the water and wastewater plants as well as remote sites that are part of the plant's operations.

in full accordance with the drawings and as elaborated in the specifications.

PROJECT NAME: **RFQ130310 CONTROL, TELEMETRY, SECURITY AND SCADA INTEGRATION SERVICES**

LOCATION: Lee County, Florida

ARTICLE 2. AMOUNT OF CONTRACT

2.1 The COUNTY shall pay the CONTRACTOR in current funds for the performance of the work, subject to additions and deductions by Change Order as provided in the Contract Documents, the sum specified by each project received under this Contract.

CONSTRUCTION CONTRACT  
ARTICLE 3. PROGRESS PAYMENTS

Based upon Applications for payment submitted to the OWNER'S Representative by the CONTRACTOR, and Certificates for Payment issued by the OWNER'S Representative, the COUNTY shall make progress payments on account of the Contract Price to the CONTRACTOR as provided in the Contract Documents as follows:

3.1 Not later than fifteen (15) calendar days following the approval of an Application for payment, ninety percent (90%) of the portion of the Contract Price properly allocated to labor, materials and equipment incorporated in the work and ninety percent (90%) of the portion of the Contract Price properly allocated to materials and equipment suitably stored at the site or at some other location agreed upon in writing, for the period covered by the application for payment, less the aggregate of previous payments made by the COUNTY.

3.1.1 At the discretion of the project manager, department director and final authorization by the Public Works Director, once the project reaches 50% completion and the County is holding 5% of the total contract amount, no further retainage may be withheld from the subsequent monthly invoices, provided however, that the project is on schedule. At any time the project falls behind schedule, the County retains the exclusive right to revert back to the original contract terms, by withholding the full 10% retainage, until the project is back on schedule or the project is completed.

3.2 Upon final completion of the work and acceptance of the project, a sum sufficient to increase the total payments to one hundred percent (100%) of the Contract Price, less such amounts as the COUNTY shall determine for all incomplete work, unsettled claims or unused units as provided in the Contract Documents.

ARTICLE 4. CONTRACT DOCUMENTS

This Contract entered into this date by the Lee County Board of County Commissioners and the CONTRACTOR. WITNESSETH that the parties hereto do mutually agree as follows:

The CONTRACTOR shall furnish all labor, equipment, and materials and perform the work above described for the amount stated above in strict accordance with the General Conditions, Supplementary Conditions, Plans and Specifications and other Contract Documents, all of which are made a part hereof as if attached and enumerated as follows:

4.1 Lee County Request for Bids/Project Manual Titled: CONTROL, TELEMETRY, SECURITY AND SCADA INTEGRATION SERVICES

DATED: March 8, 2013

4.1.1 Contractors Proposal Dated April 9, 2013, ATTACHED AS EXHIBIT "A"

4.1.2 Contractors Bid Proposal for each project received.

4.2 Project Drawings consisting of the following sheets listed by title and date: As provided to the Contractor by the Project Manager

CONSTRUCTION CONTRACT

ARTICLE 4. CONTRACT DOCUMENTS (Continued)

4.3 Public Payment and Performance Bond (if Applicable)

4.4 Certificate of Insurance

4.5 Notice of Award

4.6 Addenda: Number One dated March 26, 2013

4.7 Documentation submitted by the CONTRACTOR prior to the Notice of Award: None

4.8 The following which may be delivered or issued after the effective date of the Agreement and are not attached hereto: All written amendments and other documents amending, modifying or supplementing the Contract Documents.

ARTICLE 5. TIME OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

5.1 Work to be started on the date specified in the Official Notice to Proceed.

5.2 Substantial completion shall be achieved not later than the number of days specified in the Proposal to the County Project Manager.

5.3 Final completion shall be achieved not later than the number of days specified in the Proposal to the County Project Manager.

Liquidated Damages:

5.4 The COUNTY and CONTRACTOR recognize that time is of the essence of this agreement and that the COUNTY will suffer financial loss if the work is not completed within the times specified in 5.2 and 5.3 above, plus any extensions thereof allowed by Change Order. They also recognize the delays, expense, and difficulties involved in proving in a legal proceeding the actual loss suffered by the COUNTY if the work is not completed on time. Accordingly, instead of requiring any such proof, COUNTY and CONTRACTOR agree that as Liquidated Damages for delay (but not as a penalty) the sum of dollars per day (To Be Determined Per Project) shall be deducted from monies due the CONTRACTOR or paid by the CONTRACTOR to the COUNTY for each calendar day that expires after the time specified for Substantial Completion and the project fails to reach Substantial Completion. The CONTRACTOR shall also be liable for any Actual Damages sustained by the COUNTY due to the CONTRACTOR'S failure to fully complete the work by the time agreed upon for Final Completion in the Contract Documents. Actual Damages may include, but not be limited to: costs related to supervision, inspection, rentals, testing, consulting fees, or lost productivity. The COUNTY shall have the right to deduct all damages due from the final payment request as well as retainage. However, prior to deducting liquidated damages, the COUNTY shall give the CONTRACTOR seven (7) calendar days notice prior to submitting the adjusted amount due to the Clerk for payment.

CMO:006(3 of 5)

REV: 03/18/04

## CONSTRUCTION CONTRACT

### ARTICLE 6. MISCELLANEOUS PROVISIONS

6.1 Final payments, constituting the entire unpaid balance of the Contract Price shall be paid by the COUNTY to the CONTRACTOR when the work has been completed, the Contract fully performed, and a final Certificate for Payment, form No. CMO:013, has been approved by the COUNTY.

6.2 Terms used in the Agreement which are defined in the General Conditions of the Contract (Part F of the Bid Documents) shall have the meaning designated in those conditions.

6.3 The COUNTY and CONTRACTOR each binds himself, his partners, successors, assigns and legal representatives to the other party hereto, his partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

6.4 The CONTRACTOR shall not assign or transfer any of its rights, benefits, or obligations, except for transfer that result from transfer or consolidation with a third party, without the prior written approval of the COUNTY. The CONTRACTOR shall have the right to employ other persons and/or firms to serve as sub-contractors in connection with the requirements of the Contract Documents.

6.5 The CONTRACTOR agrees through the signing of this agreement by an authorized party or agent that he shall hold harmless and defend the County of Lee and its agents and employees from all suits and action, including attorney's fees, and all cost of litigation and judgements of every name and description arising out of and incidental to the performance of this Contract Document or work performed thereunder, whether or not due to or caused by negligence of the COUNTY, excluding only the sole negligence of the COUNTY. This provision shall also pertain to any claims brought against the COUNTY by any employee of the CONTRACTOR, or sub-contractor(s), or anyone directly or indirectly employed by any of them. The CONTRACTOR'S obligation under this provision shall not be limited in any way to the agreed upon Contract Price as shown in this agreement or the CONTRACTOR'S limit of or lack of sufficient insurance protection.

CONSTRUCTION CONTRACT

In witness whereof, COUNTY and CONTRACTOR have signed this agreement in duplicate. One counterpart has been retained by the Clerk of the Board of County Commissioners, one to the Project Sponsoring Department, and one part each has been delivered to the Lee County Procurement Management, and the CONTRACTOR. All portions of the Contract Document have been signed or identified by COUNTY and CONTRACTOR, or by COUNTY'S CONSULTANT on their behalf.

Signed, sealed, and delivered in the presence of:

*Daniel L. Curry*  
Secretary  
DANIEL L. CURRY

CURRY CONTROLS COMPANY  
(Correct Name of Business)

BY: *David L. Curry*  
DAVID L. CURRY  
PRESIDENT

\_\_\_\_\_  
Title

Date: JULY 22, 2013

BOARD OF COUNTY COMMISSIONERS OF  
LEE COUNTY, FLORIDA

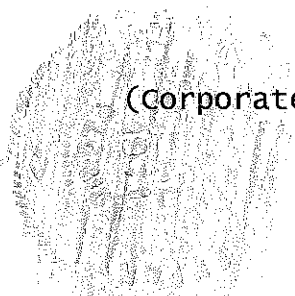
BY: *[Signature]*  
Chair

Date: July 30, 2013

APPROVED AS TO FORM

BY: *[Signature]*  
Assistant County Attorney

(Corporate Seal)



*Linda Doovert* Clerk  
ATTEST: Clerk of the Board

BY: *Loyce Townsend*  
Deputy Clerk



\* The initial term of this contract is two years with the option to renew up to three additional one year periods - as per the attached Lee County Blue Sheet No. 20130500

**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

07/22/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Florida Insurance Center Inc 414 N Alexander Street Plant City, FL 33563 Florida Insurance Center, Inc.	Phone: 813-754-3561	CONTACT NAME: <b>Judy Wagner AAI AU AIS CPIW</b>
	Fax: 813-764-8402	PHONE (A/C, No, Ext): 813-754-3561 FAX (A/C, No): 813-752-8794
E-MAIL ADDRESS: <b>Jwagner@floridainsurancecenter.com</b>		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: <b>National Trust Insurance Co</b>		20141
INSURER B: <b>FCCI Insurance Co</b>		10178
INSURER C: <b>Crum &amp; Forester Specialty</b>		
INSURER D:		
INSURER E:		
INSURER F:		

INSURED **Curry Controls Company**  
P O Box 5408  
Lakeland, FL 33807

**COVERAGES**                      **CERTIFICATE NUMBER:**                      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY			GL00061625	10/01/2012	10/01/2013	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY		X				DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 10,000
A	<input checked="" type="checkbox"/> Contr & XCU Incl			9242048187	08/17/2012	08/17/2013	PERSONAL & ADV INJURY \$ 1,000,000
C	<input checked="" type="checkbox"/> Prof Liability						GENERAL AGGREGATE \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COM/OP AGG \$ 2,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY			CA000504948	10/01/2012	10/01/2013	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS		<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS		<input checked="" type="checkbox"/> NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident) \$
	<input checked="" type="checkbox"/> Hired Phys		<input checked="" type="checkbox"/> Transport				PIP \$ 10,000
B	<input checked="" type="checkbox"/> UMBRELLA LIAB		<input checked="" type="checkbox"/> OCCUR	UMB00018029	10/01/2012	10/01/2013	EACH OCCURRENCE \$ 10,000,000
	<input type="checkbox"/> EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE \$ 10,000,000
	DED <input checked="" type="checkbox"/>		RETENTION \$ 10,000				\$
B	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			001WC13A67812	01/01/2013	01/01/2014	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input checked="" type="checkbox"/> OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N	N/A				E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Leased/Rental EW			CM00014089	10/01/2012	10/01/2013	Limit: 50,000
B	Install Floater			CM00014089	10/01/2012	10/01/2013	Limit: 750,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

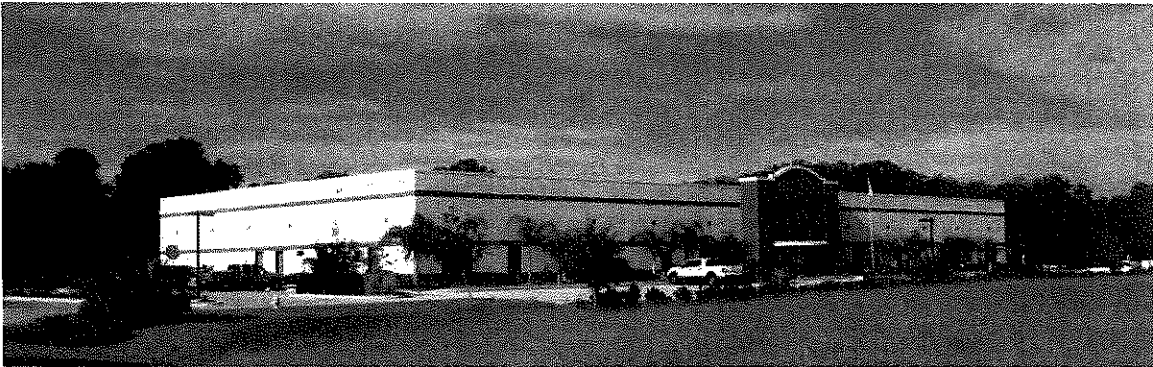
Lee County, a political subdivision and Charter County of the State of Florida, its agents, employees, and public officials" are named as an Additional Insured on the General Liability policy, including Products and Completed Operations coverage. Coverage is primary and non-contributory with a waiver of subrogation

<b>CERTIFICATE HOLDER</b>	<b>CANCELLATION</b>
LEEC398	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
Lee County Board of County Commissioners P.O. Box 398 Ft. Myers, FL 33902-0398	AUTHORIZED REPRESENTATIVE <i>J Wagner</i>

# **CURRY CONTROLS COMPANY**

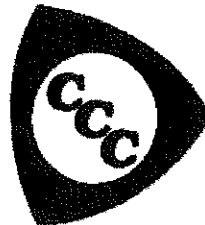
4245 S. PIPKIN ROAD – LAKELAND – FLORIDA – 33811  
PHONE (863) 646-5781 FAX (863) 646-3899

*Lee County  
Board of County Commissioners  
RFQ: 130310*



**PREQUALIFICATION FOR:**

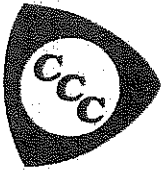
**CONTROL, TELEMETRY, SECURITY AND SCADA  
INTEGRATION SERVICES**



**Due: April 9, 2013 @ 2:30 P.M.**



# PREFACE



# **CURRY CONTROLS COMPANY**

4245 S. Pipkin Road - Lakeland - FL 33811  
P.O. Drawer 5408 - Lakeland, FL 33807  
(863) 646-5781 - FAX: (863) 646-3899

## **EXECUTIVE SUMMARY**

**To: Lee County, Board of County Commissioners  
P.O. Box 398  
Fort Myers, FL 33902-0398**

**Subject: Curry Controls Company Statement of Qualifications for  
Control, Telemetry, Security and SCADA Integration Services  
RFQ: 130310**

Thank you for allowing Curry Controls Company the opportunity to submit the attached Statement of Qualifications for your consideration. We trust that you will find this presentation to be responsive and that it meets your approval. We are certain that you will find Curry Controls Company well qualified to undertake the full range of project requirements.

Curry Controls Company has an established 40 year track record of providing quality process control systems and SCADA solutions for our customers. As a licensed professional engineering firm, Curry Controls Company can provide a wide range of consulting services for your specific Instrumentation and Controls and/or electrical needs. Our modern, in house, UL certified control panel fabricating facility is equipped to support all stringent project requirements.

Our proposed project team has both the expertise and experience required to assure a successful project. Be assured that the proposed project team is fully capable and committed to fulfilling work schedule requirements in a professional and timely manner.

Curry Controls Company has the facilities, manpower, logistical and financial resources to undertake the fabrication and testing of large quantities of control panel designs. Curry Controls Company is currently unimpeded by any litigation or other anomalies that might be construed to impact a successful and expeditious project conclusion.

It is our understanding that it is the intent of Lee County to determine qualified SCADA contractors and/or Systems Integrators to provide various repairs, services and new installations on an as needed basis at the water and wastewater plants as well as remote sites that are part of the plant's operations.

As evidenced in the attached documents, Curry Controls Company has been providing such services to municipalities throughout Florida, including Lee County, for many years. With a diverse set of skills, our personnel are uniquely qualified to perform any and all tasks required of Lee County.

*"Providing Solutions Since 1972"*



Curry Controls Company recently completed our largest project to date for Hillsborough County, Florida BOCC entitled "Countywide Wastewater Pump Station Telemetry" (example project #5). This project utilized Modicon Quantum PLC and Citect SCADA software. Three (3) redundant Citect SCADA servers, serving as three (3) independent central control host sites with redundant fail over capabilities,, were employed and integrated onto a common network supporting over 160 Modicon PLC's. A single dedicated Data Management Server (DMS) provided historical data collection from the entire network.

Curry successfully completed this \$5,530,900.00 contract in June of 2011 without any change orders. We are currently in the process of completing the second phase of this project which represents over 300 additional sites.

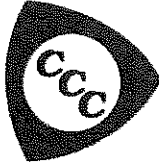
We feel confident that, after a review of the enclosed information, Lee County will conclude that Curry Controls Company is uniquely qualified to perform any and all requirements for your Control, Telemetry, Security and SCADA Integration needs. Thank you for the opportunity to submit this Qualification Statement and we look forward to continuing to serve the needs of Lee County.

Respectfully Submitted by:

Daniel L. Curry  
Vice President/Corporate Secretary  
Curry Controls Company  
4245 S. Pipkin Road  
Lakeland, FL 33811

[www.currycontrols.com](http://www.currycontrols.com)

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INTEGRATION SERVICES  
LEE COUNTY**

**RFQ: 130310**

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LEE COUNTY**

**RFQ: 130310**

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**TAB**

**1A**

AC# 6197363

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L12071101628

DATE	BATCH NUMBER	LICENSE NBR
07/11/2012	120022612	CGC003088

The GENERAL CONTRACTOR  
Named below IS CERTIFIED  
Under the provisions of Chapter 489 FS.  
Expiration date: AUG 31, 2014

WINOKER, EDWIN ALLEN  
CURRY CONTROLS COMPANY  
4245 SOUTH PIPKIN RD  
LAKELAND FL 33811

RICK SCOTT  
GOVERNOR

KEN LAWSON  
SECRETARY

DISPLAY AS REQUIRED BY LAW



AC# 6322462

## STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
ELECTRICAL CONTRACTORS LICENSING BOARD

SEQ# L12083003733

DATE	BATCH NUMBER	LICENSE NBR
08/30/2012	128062757	EC0001957

The ELECTRICAL CONTRACTOR  
Named below IS CERTIFIED  
Under the provisions of Chapter 489 FS.  
Expiration date: AUG 31, 2014

CYPHERT, SCOTT W  
CURRY CONTROLS COMPANY  
4245 SOUTH PIPKIN ROAD  
LAKELAND FL 33811

RICK SCOTT  
GOVERNOR

KEN LAWSON  
SECRETARY

DISPLAY AS REQUIRED BY LAW

# State of Florida

Board of Professional Engineers

Attests that

Curry Controls Company



FBPE

is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2015

Audit No: 228201502802

Certificate of Authorization

CA Lic. No:

8515

# State of Florida

Board of Professional Engineers

Attests that

**Donald J. Schlicht, P.E.**



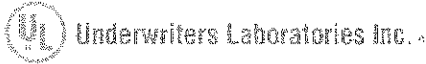
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2015

Audit No: 228201522481

P.E. Lic. No:

55412



CURRY CONTROLS CO  
MR D PARKER  
1019 PIPKIN RD  
PO BOX 5408  
LAKELAND FL 33807

RECEIVED

JUN - 4 1996

Curry Controls Co.

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your Assignment.

NITW May 22, 1996  
**Industrial Control Panels**  
CURRY CONTROLS CO , LAKELAND FL 33807 E149960 (R)  
Industrial control panels for general use.  
1019 PIPKIN RD PO BOX 5408  
**LOOK FOR LISTING MARK ON PRODUCT**

218817001

Underwriters Laboratories Inc.\*

F110299004  
333

For information on placing an order for UL Listing Cards in a 3 x 5 inch card format, please refer to the enclosed ordering information.

**UNDERWRITERS LABORATORIES INC.**

A not-for-profit organization dedicated to public safety and committed to quality service

335 Piquette Blvd  
Evanston, IL 60201-2214, USA  
Tel: (708) 339-3800  
FAX No. (708) 339-3100

300 Park Avenue Road  
New York, NY 10022-4198, USA  
Tel: (212) 512-2000  
FAX No. (212) 512-2000

1655 Ezer Blvd  
San Jose, California 95130-4100 USA  
Tel: (408) 661-6400  
FAX No. (408) 661-6256

73 Laboratory Blvd  
P.O. Box 13785  
Research Triangle Park,  
North Carolina 27709-2305, USA  
Tel: (919) 675-3500  
Telex No. 4935725  
FAX No. (919) 675-3500



the standard in safety

Underwriters  
Laboratories

File E336955

Vol 1

Issued: 2010-02-05

Revised: 2010-02-05

FOLLOW-UP SERVICE PROCEDURE  
(TYPE L)INDUSTRIAL CONTROL PANELS RELATING TO HAZARDOUS LOCATIONS  
(MEXX, NEXX7)

Manufacturer: CURRY CONTROLS CO  
(218817-001) 4245 S PIRKIN RD  
PO BOX 5409  
LAKELAND FL 32811

Applicant: SAME AS MANUFACTURER  
(218817-001)

Lictee: SAME AS MANUFACTURER  
(218817-001)

This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc. (UL), or any authorized licensee of UL, only on products covered by this Procedure, in accordance with the applicable UL Services Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. (UL) or any authorized licensee of UL, upon request.

This PROCEDURE, and any subsequent revision, is the property of Underwriters Laboratories Inc. (UL) and the authorized licensee of UL and is not transferable.

Underwriters Laboratories Inc.

Stephen Newson  
Senior Vice President  
Global Follow-Up Service Operations

William R. Carney  
Director  
North American Certification Program

**TAB**

**1B**



# CERTIFICATE OF LIABILITY INSURANCE

ATTACHMENT A  
CURRY-1 OP ID: JW

DATE (MM/DD/YYYY)  
04/03/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Florida Insurance Center Inc 414 N Alexander Street Plant City, FL 33563 Florida Insurance Center, Inc.	Phone: 813-754-3561	CONTACT NAME: Judy Wagner AAI AU AIS CPIW
	Fax: 813-764-8402	PHONE (A/C, No, Ext): 813-754-3561 FAX (A/C, No): 813-752-8794
E-MAIL ADDRESS: Jwagner@floridainsurancecenter.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: National Trust Insurance Co		
INSURER B: FCCI Insurance Co		10178
INSURER C: Crum & Forester Specialty		
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/>	X	GL00061625	10/01/2012	10/01/2013	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000
A	<input checked="" type="checkbox"/> Contr & XCU Incl					PERSONAL & ADV INJURY \$ 1,000,000
C	<input checked="" type="checkbox"/> Prof Liability		9242048187	08/17/2012	08/17/2013	GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/>						
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> HIRED Phys <input checked="" type="checkbox"/> Transport		CA000504948	10/01/2012	10/01/2013	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ PIP \$ 10,000
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		UMB00018029	10/01/2012	10/01/2013	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in FL) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	001WC13A67812	01/01/2013	01/01/2014	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input checked="" type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Leased/Rental EW		CM00014089	10/01/2012	10/01/2013	Limit: 50,000
B	Installation		CM00014089	10/01/2012	10/01/2013	Limit: 750,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Lee County, a political subdivision and Charter County of the State of Florida, its agents, employees, and public officials" are named as an Additional Insured on the General Liability policy, including Products and Completed Operations coverage

CERTIFICATE HOLDER	CANCELLATION
LEEC398	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
Lee County Board of County Commissioners P.O. Box 398 Ft. Myers, FL 33902-0398	AUTHORIZED REPRESENTATIVE <i>J Wagner</i>

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**TAB**

**1C**



**WAGNER BONDING**  
&  
**INSURANCE, INC.**

April 4, 2013

Lee County Board of County Commissioners  
1825 Hendry St., 3rd Floor  
Fort Myers, FL 33901

RE: Curry Controls Company

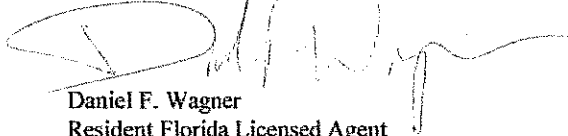
To whom it may concern,

We are the bonding agent for Curry Controls Company. They are bonded by The Fidelity and Deposit Company of Maryland, an "AXV" rated surety in the AM Best Guide..Pam Morgan, 600 N. Westshore Blvd., #800, Tampa, FL 33609, 813 354 2232... Curry Controls Company has an excellent reputation in the community and we have not had a problem on any bonded work. While each project is approved on its own merits, Curry Controls Company has an aggregate bond limit of \$25,000,000.

We welcome the opportunity to execute the necessary bonds provided they meet the current underwriting guidelines and the provisions are acceptable to both, Curry Controls Company & The Fidelity and Deposit Company of Maryland.

Should you have any questions or concerns, please do not hesitate to call.

Sincerely,  
Wagner Bonding & Insurance, Inc



Daniel F. Wagner  
Resident Florida Licensed Agent  
Attorney-In-Fact

**TAB**

**1D**

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

EXAMPLE PROJECT NUMBER

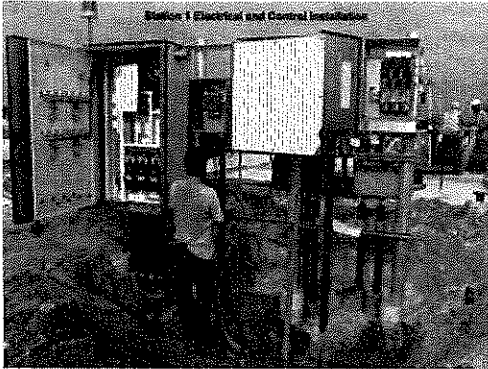
1

TITLE AND LOCATION (City and State) <b>Hillsborough County SCADA System</b> <i>Hillsborough County, FL</i>	PROFESSIONAL SERVICES	YEAR COMPLETED CONSTRUCTION (if applicable) <b>2009</b>
------------------------------------------------------------------------------------------------------------------	-----------------------	---------------------------------------------------------------

PROJECT OWNER'S INFORMATION

PROJECT OWNER <b>Hillsborough County BOCC</b> 952 East Twiggs St Tampa, FL 33602	POINT OF CONTACT NAME <b>Mr. Bob Tisdale</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(813) 276-2277</b> <b>tisdaleh@hillsboroughcounty.org</b>
-------------------------------------------------------------------------------------------	-------------------------------------------------	------------------------------------------------------------------------------------------------------

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)



This project was completed in June 2011. All work was performed as a prime contractor. It is relevant as the overall scope of work for this project consisted preparing computer generated engineering shop drawings, and as-built documentation including control panel assembly drawings, end-to-end wiring diagrams, fiber optic and copper network diagrams, control system diagrams, PLC programs, and O&M manuals. It is additionally relevant that custom control panels were fabricated utilizing Modicon Quantum PLC's which included FAT testing using input simulated to represent field conditions, and the work included installing, calibrating, and integrating pressure and level transmitters, and VFD drives. Custom PLC programs and custom graphical screens utilizing Citect SCADA software that sequenced numerous pumps, motor, VFD's, etc. at over 163 remote lift station locations throughout the County. Three (3) redundant Citect SCADA servers, serving as three (3) independent central control host sites, with redundant fail over capabilities, were deployed and integrated onto a common network supporting over 163 Modicon PLC's. A single dedicated data Management Server (DMS) provided historical data collection from the entire network. The DMS server provided utilized Citect SCADA Reports and Microsoft sequel server. UPS's providing a back-up power source were installed at all three (3) redundant host sites. Complete electrical installation services were provided including conduit, connectors, control panels, j-boxes, interfacing with existing Owner equipment. Typical circuit voltages associated with the project equipment included 240 – 480 VAC, 3 phase. Construction services provided in this contract included complete design and installation of three (3) each 180 foot self-supporting towers to facilitate RF communications to the remote RTU locations, and between each of the three aforementioned control host sites.

CURRY CONTROLS COMPANY (CCC) closely coordinated with Hillsborough County Utilities personnel to coordinate integration of telemetry controls at one hundred and sixty three (163) lift station sites associated with this contract. These installations were planned around the operating constraints of Utility Operations and occurred successfully without interruption of daily operations. CCC performed all work associated with this contract with no safety violations. This project demonstrates CCC's ability to successfully execute multiple pre-arranged outages with minimal impact to the facility operations and occupants.

CCC successfully completed this \$5,530,900.00 contract without any Change Orders. After CCC was awarded the base contract, Hillsborough County did request additional services to secure three (3) each 220 MHz radio licenses resulting in an increase of \$23,625.00 to the original contract value. This was funded by AAR-1 (Authorized Allowance Reduction), AAR-1 was the only contract change, requested by the Owner, and was funded via a \$200,000.00 allowance in the original contract.

At the Owners request, CCC negotiated a contract extension due to coordination issues with other major County projects. CCC agreed to the contract extension and remained mobilized for an additional twenty-four (24) months at no additional cost to the Owner.

**TAB**

**1E**

# Corporate Experience and Qualifications of the Firm

## Introduction

Since incorporation in the state of Florida in 1972, Curry Controls Company (CCC) has progressed in providing its customers a wide range of services and support including general contracting, electrical contracting, systems engineering, programming, systems integration, panel fabrication services, field service, training, and extended maintenance and support.

CCC primarily designs and installs automated control systems to improve efficiency, reduce manpower and improve safety. With a staff of over 40 Engineers, Programmers and Designers, supported by our team of licensed Electricians and Installers, CCC can address complexities of a range of advanced electrical, automated control, process instrumentation, SCADA development, RF telemetry, communications networking, and other critical integration aspects of high-tech instrumentation and control systems.

## Quality Control

Curry Controls Company is committed to a high level of quality on every project. Two important certification programs have been added to assure prospects that quality control procedures are in place. Curry Controls Company is an associate member of Control Systems Integrator Association (CSIA). Curry Controls Company operates a UL certified panel shop. Underwriters Laboratories audits the control panels built at Curry Controls Company to insure they comply with UL standard requirements.

## Electrical and Controls Engineering

Curry Controls Company has been an industry leader in the adoption of cutting edge PLC and HMI technologies. From Modicon, GE, Siemens, Allen Bradley PLC's to IFIX, Cimplicity, WINCC, Wonderware, RSView and many others. With our professional in house staff of programmers we understand the requirements to design and implement a solution for our customers.

## Professional Licenses Include:

Professional Engineering Services in Florida, Georgia, Alabama  
Licensed State General Contractor in Florida and Georgia  
Licensed State Electrical Contactor in Florida and Georgia  
UL 508A & UL 698A Listed Panel Shop

## Industry Certifications Include

- Control System Integrators Association (CSIA) Member
- GE Premier Solutions Provider (PSP)
- Schneider Electric Solutions Integrator Partner
- Rockwell Automation Solutions Provider
- Siemens SI<sup>2</sup> Integrator Partner Program
- Citect Silver Integrator
- Wonderware Authorized Integrator
- Calamp Gold Wireless Channel Provider
- IBEW Certified Electricians/Technician

Please visit us at [www.currycontrols.com](http://www.currycontrols.com)



*Curry Controls Company was established in 1972 and has serviced their customers for over 40 years.*

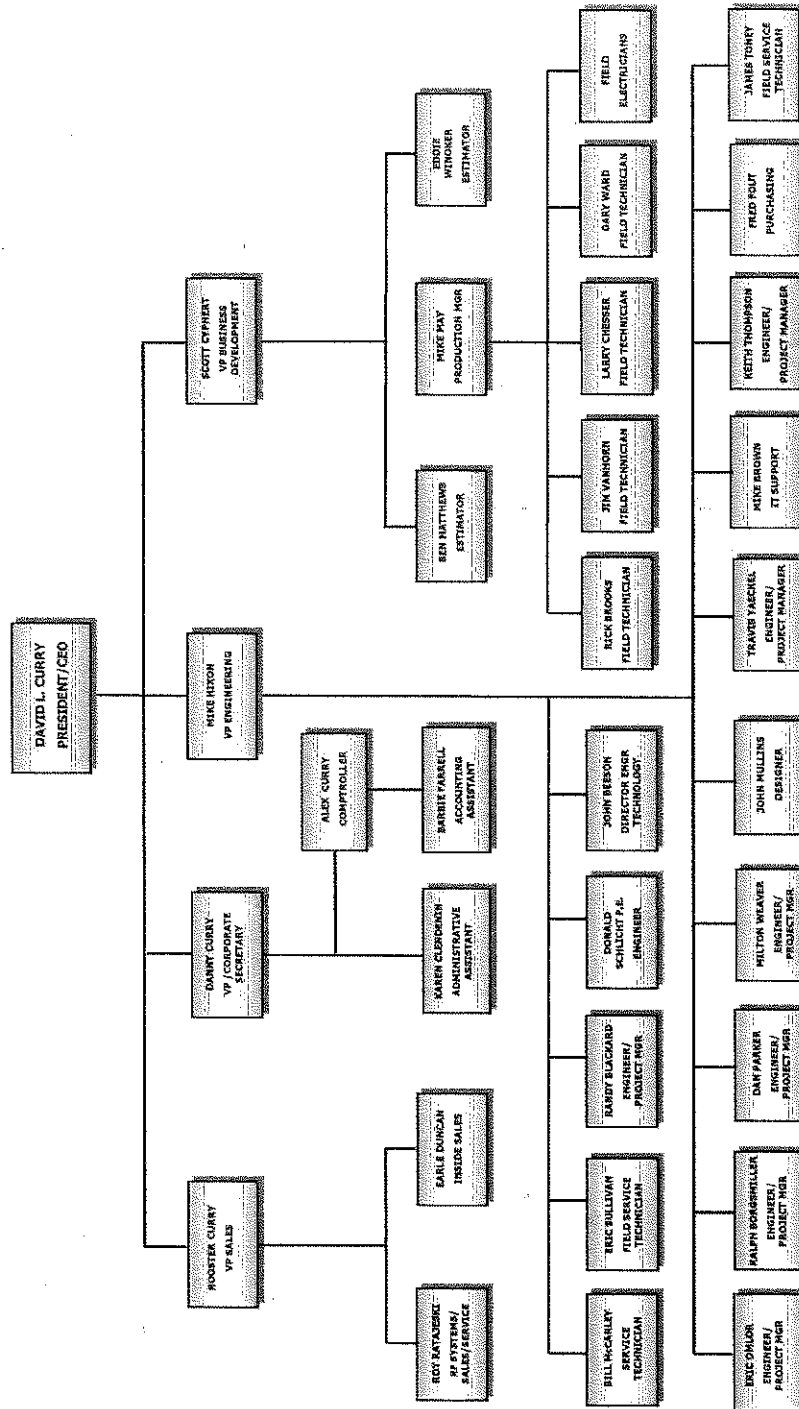


*Curry Controls Company has a continuous commitment to quality*



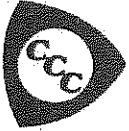
*Our staff can meet the needs of General Construction, Electrical Construction, Electrical and Controls Engineering*

# Curry Controls Company



**TAB**

**1F**



**TAB 1 F – Past or pending litigations or judgments within the last 5 years.**

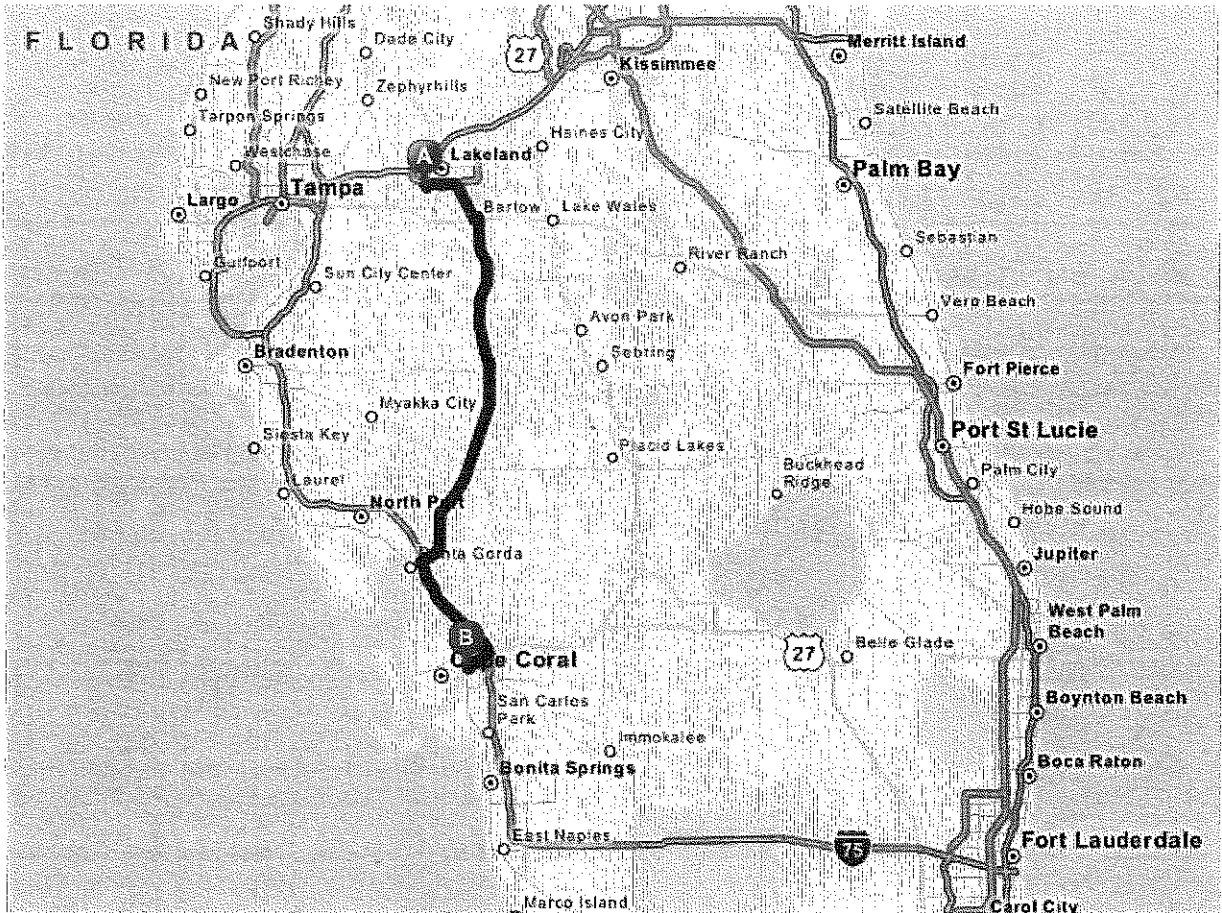
**PLEASE SEE PREFACE Executive Summary paragraph 4.**



**TAB**

**1G**

Curry Controls Company to Lee County Map



Mileage:

**Suggested Routes**

US-17 S to I-75 S 2 hrs 21 mins / 116.68 miles	Est. Fuel Cost Calculate
---------------------------------------------------	-----------------------------

US-17 S to SR-31 2 hrs 20 mins / 109.89 miles	Est. Fuel Cost Calculate
--------------------------------------------------	-----------------------------

I-75 S 2 hrs 24 mins / 149.72 miles	Est. Fuel Cost Calculate
----------------------------------------	-----------------------------

**TAB**

**1H**



## Curry Controls Company

### Field Service Rate Schedule

<b>Domestic Portal to Portal Rates when given: 7- Days or More Notice to Respond</b>	<b>Control System Service</b>	<b>Software or Application Engineer</b>	<b>Project Engineer</b>	<b>Calibration Technician</b>
<b>Per Day Rate</b>	<b>\$850.00</b>	<b>\$1,000.00</b>	<b>\$1,000.00</b>	<b>\$1,000.00</b>
<b>Per Hour (Normal)</b>	<b>\$110.00</b>	<b>\$125.00</b>	<b>\$125.00</b>	<b>\$125.00</b>
<b>Per Hour (Overtime)</b>	<b>\$160.00</b>	<b>\$190.00</b>	<b>\$190.00</b>	<b>\$190.00</b>
<b>Domestic Portal to Portal Rates when given: 2-6- Days Notice to Respond</b>				
<b>Per Day Rate</b>	<b>\$1,000.00</b>	<b>\$1,200.00</b>	<b>\$1,200.00</b>	<b>\$1,200.00</b>
<b>Per Hour (Normal)</b>	<b>\$125.00</b>	<b>\$150.00</b>	<b>\$150.00</b>	<b>\$150.00</b>
<b>Per Hour (Overtime)</b>	<b>\$190.00</b>	<b>\$225.00</b>	<b>\$225.00</b>	<b>\$225.00</b>

- Time and a half applies to all work performed after 8-hours per day or on Saturday. Double Time on Sunday and anytime over 12 hours.
- Curry Controls Company personnel are not required to work more than 12-hour in any 24-hour period.
- All travel time is chargeable per the rate schedule for the response time shown.
- Four-hour minimum charge for each scheduled workday.
- Telephone support up to 15-minutes will be at no charge. Telephone support more than 15-minutes will be charged at the rate shown in schedule with minimum charge of 1-hour.

#### Curry Controls Company Holidays

New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving, Christmas Eve, Christmas Day.

#### Workday Defined

The above charges are for a normal eight-hour working day with time and one-half charged for Saturdays, and time over eight (8) hours for a weekday; Sundays and holidays and work after twelve (12) continuous hours will be charged at double time. In addition the travel and living expenses will be billed at cost plus 10% administration fee. Curry Controls Company will supply receipts and documentation for the substantiation of reasonable travel and living expenses.

#### Terms and Conditions:

All orders are conditional upon acceptance of Curry Controls Company, Standard Terms and Conditions Form included in the Field Service Rate Schedule.

#### Terms of Payment:

Net 30 Days

#### Travel Expenses and Living Expenses

All expenses will be invoiced at Cost plus 10%.

#### Materials

Materials will be invoiced at Cost plus 20% for orders less than \$1000. 10% for orders over \$1000.

#### Software

Upgrades will be provided at cost with installation provided using the rate sheet above.

**TAB**

**2**

# Corporate Experience and Qualifications of the Firm

General Information



*Curry  
Controls  
Company*

**Main Office:** Curry Controls Company  
Parkway Corporate Center  
4245 South Pipkin Road  
Lakeland, Florida 33811  
(863) 646-5781  
Fax (863) 646-3899

**Electronic Contacts:** [www.currycontrols.com](http://www.currycontrols.com)

**Year Established:** 1972

**Type of Organization:** Corporation

**Number of Employees:** 35

**Among these  
Employees are:**

Registered Professional Engineers	1
Electrical Engineers	7
Mechanical Engineers	2
Chemical Engineers	3
Computer Programmers	3
Computer Network Specialist	2
Engineering Designers	3
Project Managers	8
Certified General Contractors	1
Registered Electrical Contractors	2
Field/Start-up Engineers	4
Electrical Workers	10

*Our staff can meet the  
needs of General  
Construction, Electrical  
Construction, Electrical and  
Controls Engineering.*

*One of the above engineers is fluent in Spanish*

## Introduction

Since incorporation in the state of Florida in 1972, Curry Controls Company has progressed in providing its customers a wide range of services and support including general contracting, electrical contracting, systems engineering, programming, systems integration, panel fabrication services, field service, training, and extended maintenance and support.

The scope of these services extend to all industries including Water, Wastewater, Electrical Power Generation, Gas Distribution, Pulp & Paper Mills, Phosphate Mining, Food and Beverage, HVAC, SCADA & RF Telemetry, Semiconductor, etc.

## Firm History

Curry Controls Company primarily designs and installs automated control systems to improve efficiency, reduce manpower and improve safety. Curry Controls Company emphasizes user training as an integral part of any control system in order to enhance a customer's ability to maintain their systems after installation.

Requests to assume more specialized responsibilities associated with control system applications prompted the need for electrical contractors to understand the complexities of advanced electrical devices such as Variable Frequency Drives and the critical integration of high-tech instrumentation and control systems. Consequently customers were looking for and favoring a "turn key" solution and requesting a total package that included all electrical construction work. As a licensed Electrical Contractor, since 1976, Curry Controls Company responded to this need by offering a full range of electrical Contracting services.

A competitive marketplace emphasizes the need for the "low bid" on construction contracts. Experience confirms however, that the long-term impact of the lowest priced and poorly executed project results in continuously escalating project costs. The more sophisticated marketplace alternatively demands a "low most qualified bid" or the Design/Build project team approach.

Curry Controls Company has been selected as an Electrical and Controls Contractor on many Design/Build teams. This process is successful when a well qualified General Contractor assumes overall project responsibility. Curry Controls Company has repeatedly been selected to assume this leading role on construction projects to assure the success of the Design/Build team. Curry Controls Company obtained a General Construction license in 1990 and has been performing General Construction services since then.

The success of a Design/Build project hinges on the individual team members technical proficiency and a spirit of cooperation engendered within the team. Curry Controls Company has partnered and associated with engineering and contracting affiliates that are experienced professionals and demonstrate the expertise and vision required for Design/Build project success. This teamwork has resulted in harmonious, cost-effective, and professional results on behalf of the client.

## Quality Control

Curry Controls Company is committed to a high level of quality on every project. Two important certification programs have been added to assure prospects that quality control procedures are in place. Curry Controls Company is certified as an ISO 9001 company. Curry Controls Company is audited every year to insure compliance and maintain this certification. This international certification authorizes Curry Controls Company to ship products or do business with European and South American countries that require this certification. Curry Controls Company operates a UL certified panel shop. Underwriters Laboratories audits the controls and



*Curry Controls Company was established in 1972 and has serviced their customers for over 30 years*

*Curry Controls Company has a continuous commitment to quality*

electrical panels built at Curry Controls Company to insure they comply with UL standard requirements.

### Construction Services

Curry Controls Company is licensed in the states of Florida, Georgia, Alabama, and North Carolina and qualifies for registration in other states to do both General Construction and Electrical Construction. To qualify for the registration process, proof of experience, financial stability and proficiency are required. Upon successful completion of the examination process, the license is issued. States monitor the contracts and the revocation of licenses should any irregularities occur. The successful completion of this process certifies the registrant's qualification and allows them to bid all construction contracts in that particular state. Curry Controls Company has successfully completed numerous industrial and municipal projects in all of these locations.

### Electrical and Controls Engineering

Curry Controls Company has Professional Engineers on staff and provides complete electrical and controls engineering services. Services include the application of complete site electrical distribution systems, power systems, power distribution, and medium voltage systems. The Controls Engineering Division of Curry Controls Company designs "state-of-the-art" control systems for a wide range of applications. Control room systems include complete graphic interface designs for operational monitor and control functions. Systems can be provided for "un-manned" control rooms with automatic alarm paging to a phone or pager system. Central command sites have been engineered that allow monitoring of all company control sites at one designated location. Control systems provide process variable trending to allow historical retrieval of process data. Reports are generated automatically to display daily operating parameters such as total flow rates, total chemical usage, and water quality. These parameters are then used for monthly reports that may be exported directly to financial management professionals.

### South American Experience

Curry Controls Company has completed a Satellite SCADA control system for a 584 mile natural gas pipeline from Cornejo, Argentina to Mejillones, Chile. This installation included three control rooms located in Jujuy Argentina, Calama Chile, and Santiago Chile that simultaneously controlled the gas pipeline. Curry Controls Company performed the electrical engineering services at the valve sites, retained local electrical contractors and supervised electrical work and the installation of building concrete support pads. All drawings and programming were produced in Spanish. Curry Controls Company designed a gas metering station for custody transfer at the Argentina-Chile border. Complete Civil and Mechanical specifications and drawings were provided for local contractor installation.



*Curry Controls Company provides general construction and construction management for Water and Waste Water facilities.*

*Curry Controls Company has proven construction experience in North and South America.*



**Citect**  
INTEGRATION  
PARTNERS

**Citect**  
SILVER  
INTEGRATOR



*This certificate hereby recognizes*

*Curry Controls Company*

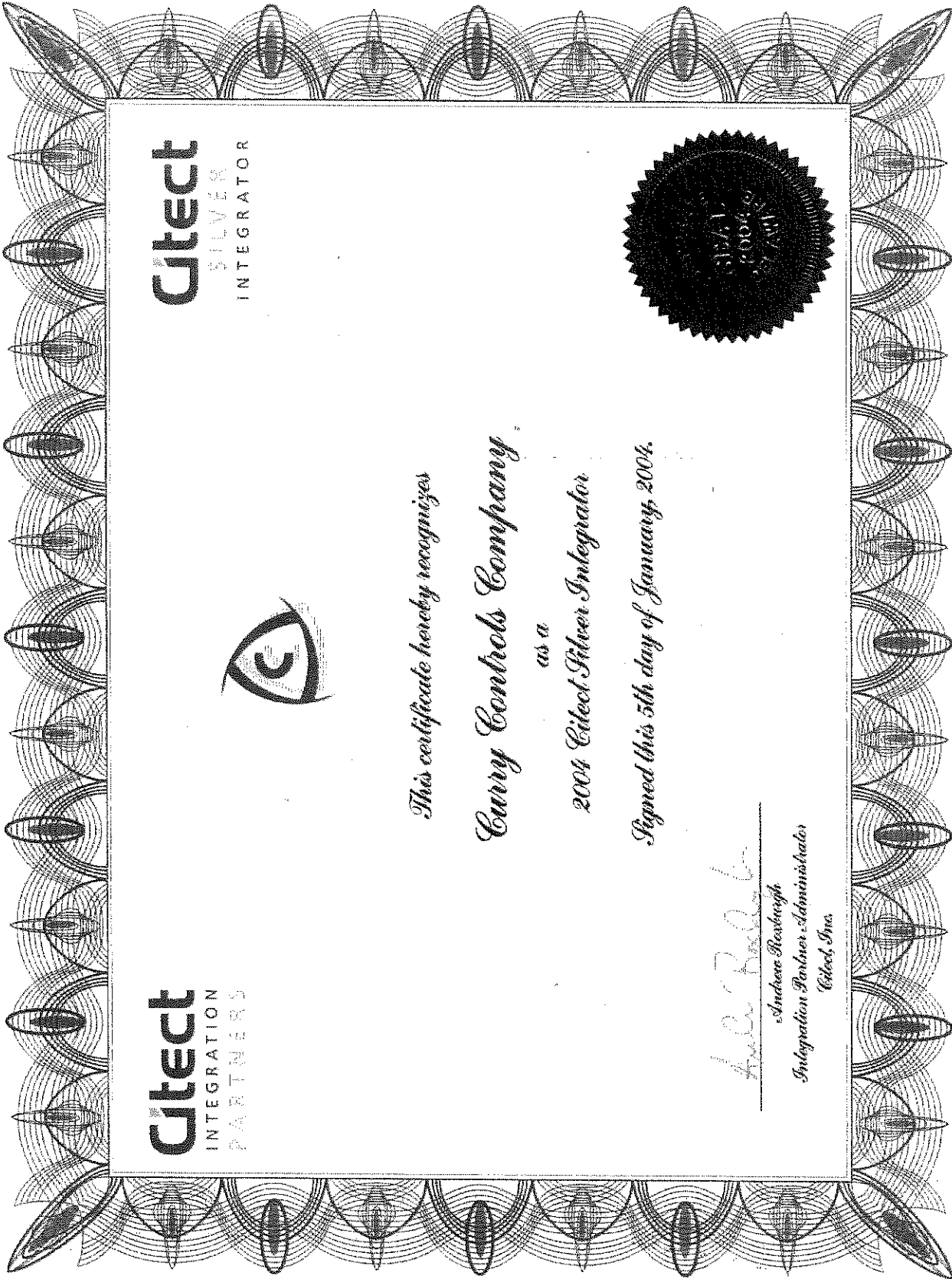
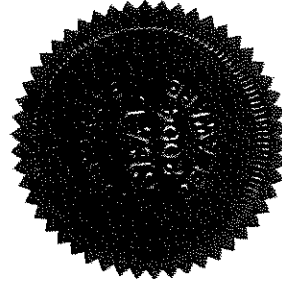
*as a*

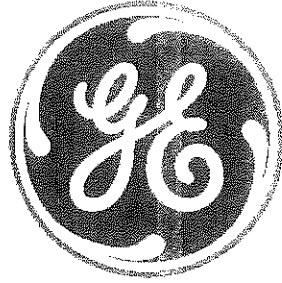
*2004 Citect Silver Integrator*

*Signed this 5th day of January, 2004.*

*Andrew Rensburgh*

*Andrew Rensburgh  
Integration Partner Administrator  
Citect, Inc.*





Partner  
Intelligent Platforms

GE Intelligent Platforms  
Proudly Recognizes

# Curry Controls Company

Premier Solution Partner

Infrastructure Industries

**TAB**

**3**

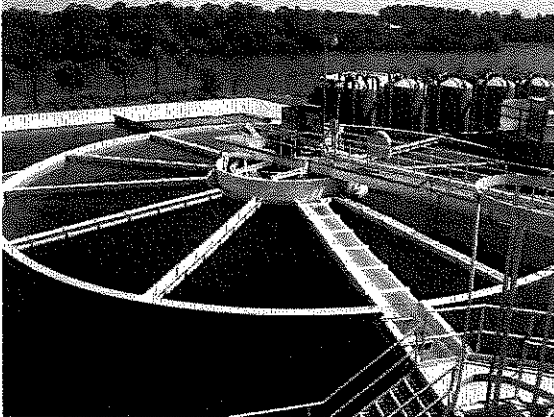
EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

EXAMPLE PROJECT ID NUMBER

2

TITLE AND LOCATION (City and State) <b>Lee County Utilities – Olga WTP Improvements</b> <i>Lee County, Florida</i>		YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) <b>2012</b>
<b>PROJECT OWNER'S INFORMATION</b>			
PROJECT OWNER <b>Lee County Utilities</b> <b>1450 Werner Drive</b> <b>Alva, FL 33920</b>	POINT OF CONTACT NAME <b>Mr. Cadd W. Balogh</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(239) 694-4038</b> <b>cbalogh@leegov.com</b>	

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)



The Olga project for Lee County Utilities was a controls systems upgrade to an existing 5 MGD surface water treatment plant that was successfully completed in May 2012. The facility was based on surface water treatment process that had no automated control systems. The primary goal of the project was to replace the existing manual control operator with a new Allen Bradley PLC based control system including three new Citect based SCADA servers as well as a new fiber optic network, instrumentation, grounding systems and lightning protection system.

The engineering firm for the project was RKS Consulting Engineers in Fort Myers Florida. Curry Controls served as the General contractor overseeing the project as well as the project systems integrator. General construction duties included procurement and management of all subcontractors and system integration duties to provide sole responsibility for a complete functioning system, while maintaining existing plant services during the project.

RKS provided a general set of plans that included the requirements for the replacement and modifications of the existing control system, new conduit installation, new grounding system, new lightning protection system, three new Allen Bradley PLC control panels with industrial touch screen computers, various auxiliary control panels, as well as the addition of various instrumentation including three analyzer panels to monitor turbidity, ph, CL2 and temperature. Other instruments were included to monitor various plant flows, pressures, tank level, and fuel level. Curry Controls was responsible for the development of final panel design drawings, loop diagrams, fiber network connection diagrams, and project as built drawings for all new conduits and fiber duct banks installed. This included the installation of the services above.

Curry Controls provided PLC and SCADA programming services based on the Allen Bradley PLC platform with a Citect SCADA on a new Fiber Optic backbone. Additional panels built and installed were PLC 7-High Service & Raw Water Control, PLC 1-Main Plant Control Panel, PLC 10- Chemical System Control Panel. Auxiliary control panels included a new Sludge Pump Control Panel, Fluoride, Caustic, Bleach, Sulfuric Acid, Alum, and Lime Interface Control Panels. Also required was the interfacing of the new control systems with several existing well controls panels, GAC stack control panels, and filter back wash control panels. Additionally, we provided fiber testing, instrument calibrations, ORT testing, and startup of the new control system.

The base contract in the amount of \$1,518,000 was completed with no additional cost with an unused "unforeseen conditions" owner contingency credit of \$50,000. This resulted in a total contract upon completion of \$1,468,000. A project time change was approved due to owner related repairs requiring additional contract time of 161 additional calendar days.

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

EXAMPLE PROJECT REVIEW SHEET

3

TITLE AND LOCATION (City and State) <b>Orange County Utilities Southern Regional WSF Project Orlando, FL 32825</b>	PROFESSIONAL SERVICES	YEAR COMPLETED
		CONSTRUCTION (If applicable) <b>2012</b>

PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Orange County Utilities Client Address</b>	b. POINT OF CONTACT NAME <b>Paul Wagner Southern Regional Director</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(407) 497-6575 Paul.Wagner@ocfl.net</b>

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)

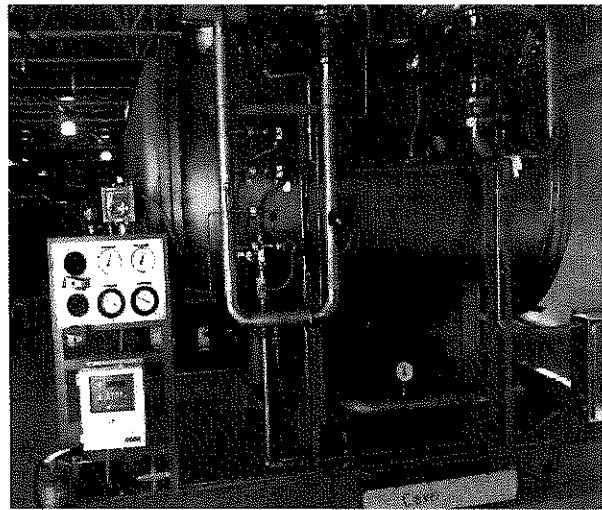
Orange County's Southern Regional Water Supply Facility is their newest state of the art plant. With 6 wells capable of producing 30 million gallons of treated drinking water a day. Onsite storage of 10 million gallons allows the plant to supply water to 21 thousand businesses and homes in the area.

*Liquid Oxygen and Tanks and Vaporizers for the Ozone System*



The process represents a new direction in the production of clean drinking water. Using a modern Ozone disinfection process, it allows the water to be treated with reduced quantity of chemicals. Driven by the need to work more cost effectively and safely. The plant is a first of its kind in the area to use Ozone. This allows the reduction in alternative disinfection techniques such as Chlorination and Ph correction, resulting in cost savings and reliability.

*Fuji Ozone Generator*



The County has implemented a centralized architecture allowing coordination and control of all of the county's production facilities from a master control room. Based on a proven platform of Modicon PLC's and GE Prophecy IFIX HMI, the plant is controlled by a network of 13 separate PLC controllers. Communications and coordination of processes take place over a self-healing fiber optic network installed throughout the site. Using thin client technologies and 4 master servers, the county has realized additional cost savings with less maintenance and operation costs in maintaining the HMI servers. Licensing and hardware costs are reduced by using a combination of thin clients and terminal server licensing to allow control from multiple locations. An iHistorian server allows the reliable collection of process data and allows the automatic generation of compliance reporting.

Total Contract Price \$1,945,000.00

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EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

TITLE AND LOCATION (City and State) <b>2009 SCADA Improvement Project Decatur, Alabama</b>		YEAR COMPLETED CONSTRUCTION (if applicable) <b>2010-2011</b>
<b>PROJECT OWNER'S INFORMATION</b>		
PROJECT OWNER <b>Decatur Utilities 1002 Central Parkway, SW Decatur, AL 35601</b>	POINT OF CONTACT NAME <b>Tom Cleveland</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(256) 301-4605 tcleveland@decaturutilities.com</b>

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)

The purpose of this project was to install a SCADA system for the water division of Decatur Utilities. The project was divided into two parts: Installing RTUs on the water distribution system and installing a plant PLC that would be used to monitor and control all aspects of the water filtration plant, the second largest plant in Alabama. There was also a redundant HMI package installed at the plant that is used to interface with the distribution system and plant operations.

The distribution system was made up of 14 remote sites including elevated tanks, ground storage tanks and booster stations. Each site received an RTU which contained an Allen Bradley Micro Logix PLC series 1100 and Data Radio Viper 200 Ethernet radio transceiver to communication with the master site. The master radio site was located at the water plant where we installed a 100 ft tower and master radio cabinet. We also installed towers, antennas and applicable instruments to measure pressure and level as needed at each of the remote sites.

At the water plant, we were required to demo some existing control panels, analog controllers, and charg recorders to make room for the plant PLC and HMI workstations. Some areas of the plant, mainly chemical feed control, and the 40 filters were already being controlled by Allen Bradley PLCs. The new plant PLC, an Allen Bradley Compact Logix, would act as a data concentrator to gather the data from these PLCs via Ethernet and fiber. Other areas of the plant, mainly the raw water, transfer and high service pumps and much of the existing instrumentation would interact directly with the new plant PLC. This required that we do extensive rewiring throughout the plant to return their signals back to the plant PLC.

The HMI package consisted of redundant servers running GE iFix 5.1, four 20 inch monitors located at the control console and two large screen monitors remotely located in the adjoin lab. The reports configured for this project allowed Decatur to greatly reduce the amount of time they spend on required EPA reporting.

The total cost of this project was \$775,000.



EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

TITLE AND LOCATION (City and State)		YEAR COMPLETED	
Norwood-Oeffler WTP Expansion North Miami Beach, Florida		PROFESSIONAL SERVICES N/A	CONSTRUCTION (if applicable) 2009
PROJECT OWNER'S INFORMATION			
PROJECT OWNER	POINT OF CONTACT NAME	POINT OF CONTACT TELEPHONE NUMBER	
City of North Miami Beach 19150 NW 8 <sup>th</sup> Ave., Miami Gardens, FL 33169	Mr. Gary Garofalo Operations Manager II	(305) 650-0000 Gary.Garofalo@CityNMB.com	

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost.)



Plant expansion project to 37 MGD production capacity with additional treatment capacity provided by Nanofiltration and Low-pressure Reverse Osmosis.

Curry Controls Company provided the Process Instrumentation & Control System (PICS) to include the following components:

- Intellution/GE Proficy iFix SCADA HMI redundant servers with multiple operator work stations
- Allen-Bradley ControlLogix-based PLC control panels
- Allen-Bradley CenterLine Motor Control Centers (smart)
- Allen-Bradley PowerFlex Variable Frequency Drive (VFD)
- Allen-Bradley SMC solid-state, reduced voltage starter (SSRVS)
- Emerson/Rosemount process instrumentation
- Siemens/Milltronics process instrumentation
- Plant-wide fiber-optic cabling backbone (Corning Cable Systems Certified Installer)
- Specific area fieldbus implementation with DeviceNet and Redundant ControlNet
- Radio telemetry to off-site production well facilities

Services provided:

- HMI/SCADA system development - app. 5000 I/O points
- Water production report generation (using SyTech XLReporter)
- PLC programming (using RSLogix 5000)
- Factory Acceptance Testing (using RSEmulate)
- Fiber optic cabling backbone design with PICS and site security system integration
- I&C System design coordination with third-party packaged system vendors
- Process instrumentation calibration & startup
- Complete system documentation & owner training

Project Cost: \$2,310,000.00 (Curry Controls Company sub-contract amount)

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S  
QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified.  
Complete one Section F for each project.)

EXAMPLE PROJECT KEY NUMBER

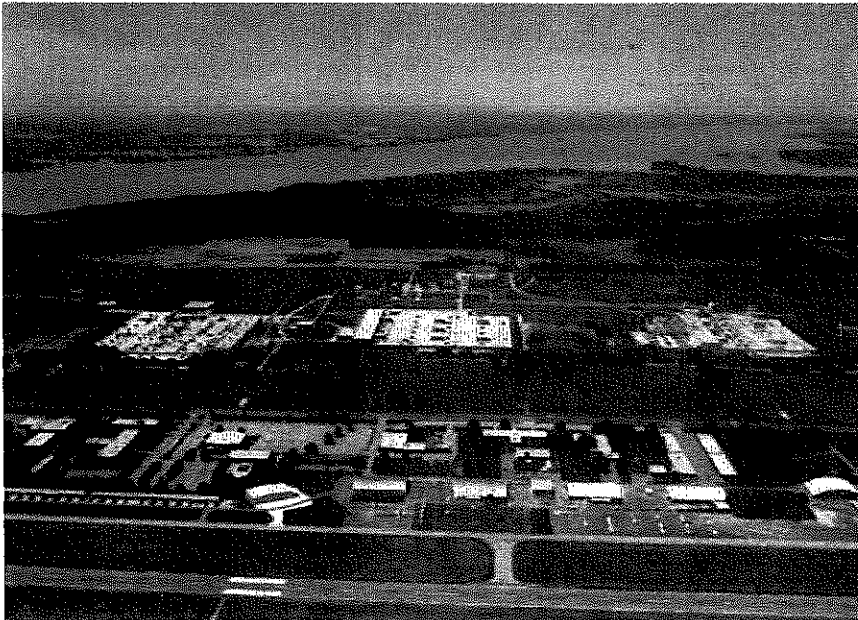
6

TITLE AND LOCATION (City and State)		YEAR COMPLETED	
<b>Athens Wastewater Plant</b> <i>Athens, Alabama</i>		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) <b>2008</b>
PROJECT OWNER'S INFORMATION			
PROJECT OWNER	POINT OF CONTACT NAME	POINT OF CONTACT TELEPHONE NUMBER	
<b>Athens Utilities</b>	<b>Jim Lannom</b>	<b>(256) 232-1440</b>	

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)

This project consisted of the construction of a new Waste Treatment Facility on the same site as the existing Waste Treatment Plant. Curry Controls Company was the Control System Supplier as well as supplying the instrumentation for the project. The PLC platform was Allen Bradley and the HMI software was Intellution.

Curry Controls Company's portion of the project was valued at \$544,758.00 and took approximately 1 year to complete.





**EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

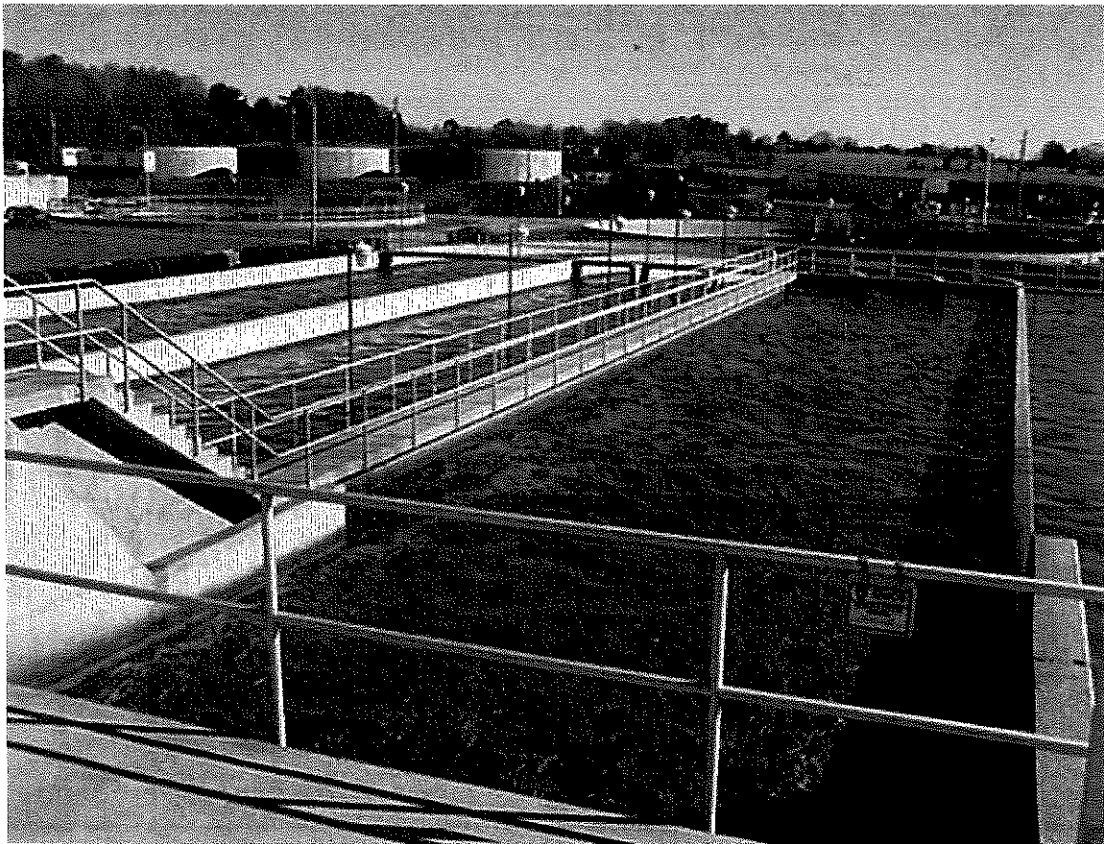
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

TITLE AND LOCATION (City and State) <b>Huntsville WTP Upgrade</b> <i>Huntsville, Alabama</i>		YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) <b>2008</b>
<b>PROJECT OWNER'S INFORMATION</b>			
PROJECT OWNER <b>Huntsville Utilities</b>	POINT OF CONTACT NAME <b>Mike Counts</b> <b>David Pope</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(256) 235-1305</b> <b>(256) 746-2888</b>	

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)

This project was a Control System Change out while keeping the plant operational. The project utilized Allen Bradley PLC's and Wonderware HMI software. The HMI portion was done by a separate contractor. Curry did the Control System changeout and assisted the HMI programmer to change out the controls while keeping the plant operational.

The project cost was around \$785,500.00 in value.



EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

EXAMPLE PROJECT KEY INFORMATION

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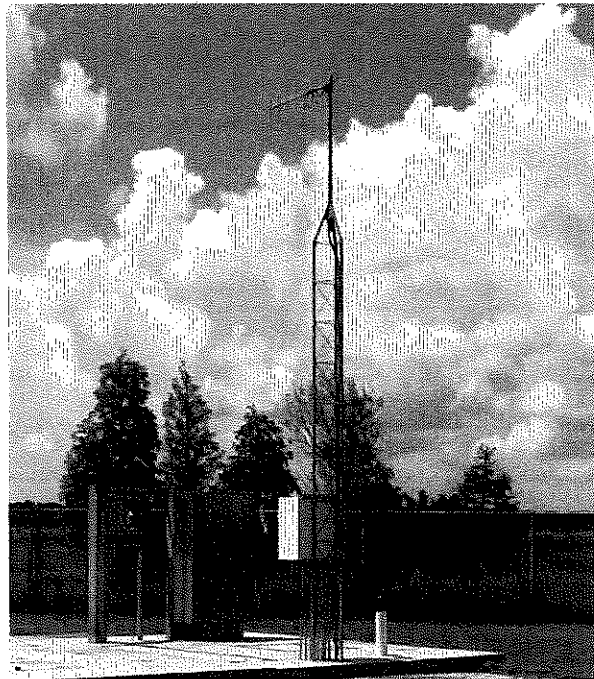
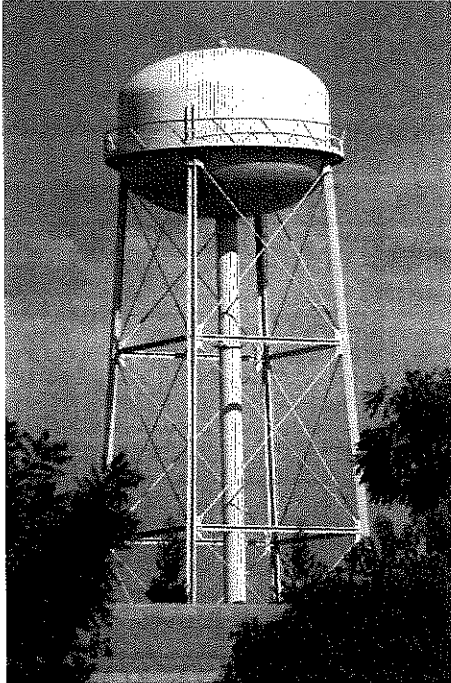
TITLE AND LOCATION (City and State) <b>Onslow County Evaluation and Design of SCADA Monitoring System Services</b> <i>Onslow County, NC</i>	YEAR COMPLETED CONSTRUCTION (if applicable) 2007
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PROJECT OWNER'S INFORMATION		
PROJECT OWNER <b>Onslow County Water &amp; Sewer Authority (ONWASA)</b> 228 Georgetown Rd., P.O. Box 1415 Jacksonville, NC 28540-1415	POINT OF CONTACT NAME <b>Mr. Eddie Caron, Well Field Superintendent</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(910) 455-0722</b> ecaron@onwasa.com

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)

Curry Controls Company performed as prime contractor providing turn-key installation services for this Telemetry SCADA improvement project. The project replaced an outdated, low speed proprietary telemetry system for which the owner was no longer able to obtain replacement parts or diagnostic services. The new system provides high speed data communications in a distributed network using open architecture components that can be supported by the owner's Information Technology group and allows remote diagnostic capability to the remote station level for rapid response. The communications network connects all of the water supply and wastewater facilities, including three well systems (22 wells), two water treatment plants, four booster stations and ten elevated tanks, across the county in a distributed monitoring system with all data available at the three major monitoring locations. The three major operation points – Public Works, Hubert WTP and Dixon WTP – are connected in a redundant broadband Ethernet radio system for sharing of data while each location maintains a separate Ethernet telemetry system for monitoring and control of the associated well field and distribution system. The stations are monitored using a combination of Allen Bradley SLC-500 Ethernet PLCs for all plants and Micrologix Ethernet PLCs for all remote locations. The computers use Wonderware software for the HMI. The radio communications are handled with MDS Ethernet and broadband radios.

As this was an existing system, the installation of the new equipment was implemented in steps that were closely coordinated with the owner to minimize any disruptions to the operations and limited down time for any location.



Total Project Cost: \$2,068,000

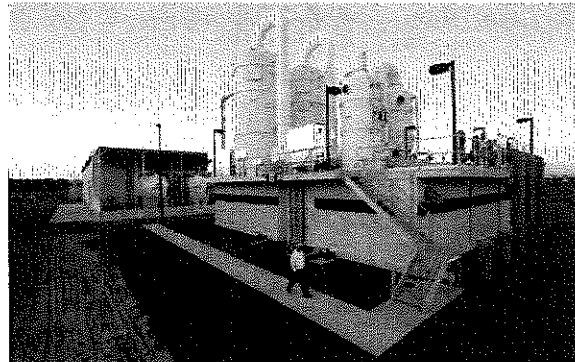
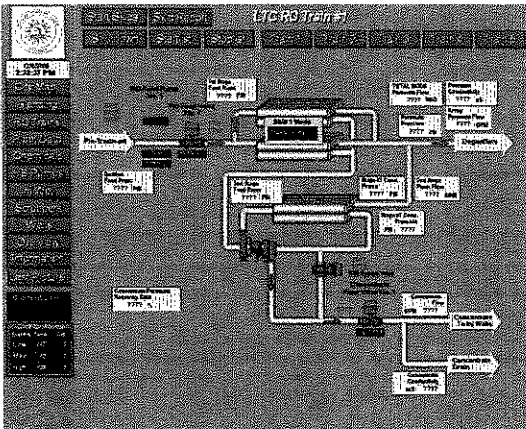
EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

TITLE AND LOCATION (City and State) <b>James E. Anderson RO Treatment Plant Port St. Lucie, Florida</b>		YEAR COMPLETED CONSTRUCTION (if applicable) <b>2006</b>
PROJECT OWNER'S INFORMATION		
PROJECT OWNER <b>City of Port St. Lucie City Hall 121 S.W. Port St. Lucie Blvd Port St. Lucie, FL 34984</b>	POINT OF CONTACT NAME <b>Brad Macek</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(772) 873-6412 bmacek@cityofpsl.com</b>

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)

The project was an expansion of the James E. Anderson RO Water Treatment Plant. The plant had 3 existing RO skids, capable of producing 6.75 MGD. The existing skids had to be operational during the expansion of the plant. This project added 7 additional RO skids and 7 additional wells bringing the plant capacity to 22.5 MGD. Curry Controls provided the field instrumentation, PLC Controls System, and the HMI Interface for control and monitoring of the plant process. In addition, Curry Controls provided 7 Pump Control Panels and 7 RTU panels for control and monitoring of the additional Pump Control Panels. The PLC is a Modicon Quantum series PLC and the HMI is the GE Intellution iFix graphical Interface software. Curry Controls provided the PLC and HMI programming, Instrumentation Calibration and Startup and commissioning for the project.

The project budget for the Instrumentation and Control portion of the project was \$1,050,088.



**TAB**

**4A**

**EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

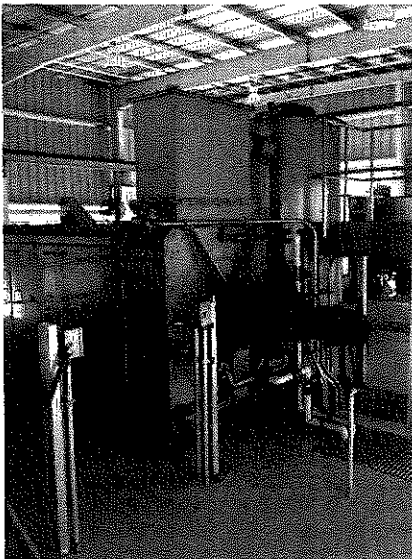
EXAMPLE PROJECT REFERENCE

**10**

TITLE AND LOCATION (City and State) <b>Polk County NERWWTF Biosolids Building</b> <i>Davenport, Florida</i>		YEAR COMPLETED CONSTRUCTION (if applicable) <b>Ongoing</b>	
<b>PROJECT OWNER'S INFORMATION</b>			
PROJECT OWNER <b>Polk County Utilities</b>	POINT OF CONTACT NAME <b>Chuck Nichols</b>	POINT OF CONTACT TELEPHONE NUMBER <b>863-419-3159</b> <b><a href="mailto:charlesnichols@polk-county.net">charlesnichols@polk-county.net</a></b>	

**BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** (include scope, size, and cost.)

This project was for the design, programming and commissioning of a control system for a Biosolids Processing Facility at the Northeast Regional Wastewater Treatment Facility. The control system consisted of a Safety-rated Siemens PLC which interfaced with a recently installed plant PLC control system that was part of the initial expansion project. The interface between the PLCs takes place over a fiber-optic Ethernet link. This link was not only necessary to share information with the plant's iFix SCADA system, but also for interlocking control signals with the digester tanks and sludge pumps which were part of the initial expansion project. The Biosolids Facility utilizes two screw presses which can operate in either constant speed or constant flow mode through the use of PID loop control. A profibus network connects all VFDs and field instruments. The third party polymer feed controller and weigh scale are also made available on profibus through interface converters. The program was formatted to match the style and techniques used in the main plant PLC program. The SCADA system was updated with new screens to allow control of the Biosolids Facility.



Project controls scope included: 12 Profibus-DP Devices, 2 Profibus-PA devices, 40 discrete/analog points, 6 VFDs, 6 motor starters, Ethernet link to Main Plant PLC and to industrial wireless router for connection to mobile SCADA. Total Project Cost \$118,000.00

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

11

TITLE AND LOCATION (City and State) <b>SCADA Cellular Telemetry System Upgrade Tampa, FL</b>		YEAR COMPLETED CONSTRUCTION (if applicable) <b>2013</b>
PROJECT OWNER'S INFORMATION		
PROJECT OWNER <b>Tampa Bay Pipeline Corp. 5802 Hartford St. Tampa, FL 33619</b>	POINT OF CONTACT NAME <b>Rick Taylor General Manager</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(813) 623-2431 (rtaylor@tampabaypipeline.com)</b>

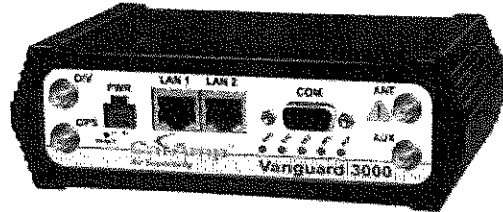
BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (includes scope, size, and cost)

Tampa Bay Pipeline (TBPL) transports ammonia to various phosphate processing plants in central Florida via extensive pipeline networks. It is imperative that this process of moving the volatile ammonia is tracked and monitored at various processing facilities. Ammonia is custody transferred to various processing plants which are several miles apart and then stored in pressurized containers for use in making various fertilizer products.

Curry Controls Company was selected to replace ageing and unusable licensed UHF radios in one quadrant of the system involving a central booster pumping station in Lithia, FL and RTUs located at Mosaic Bartow plant in Bartow, FL and Mosaic New Wales Plant in Mulberry, FL.

Transferring ammonia via pipeline is a highly specialized process requiring specialized skills and consideration for public safety and the environment. CCC was able to demonstrate the functionality and applicability of cellular technology and implement this to provide the critical SCADA cellular communications networking needed between the remote control points and the centralized SCADA system located in Tampa, FL.

Each remote RTU location is equipped with a Calamp Vanguard 3000 multicarrier 3G cellular router. The booster station is also equipped with a Vanguard router. Each RTU location has directional cellular antennas, associated programmable controllers, flow computers, and pressure and temperature sensors, etc. CCC commissioned each router for operation on the Verizon cellular data network.



This project was a CCC design/build integration project that has proven to handle data transfers very well and has been a cost-effective system upgrade for TBPL. CCC anticipates that TBPL will seek to implement this technology in other parts of their distribution network.

Because this system monitored ammonia transmission line pressures, pump status and alarms, and was located in an environmentally sensitive area, it was critical that the monitoring system be durable, reliable, and repeatable.

System delivery was 60 days.

Total cost of project \$44,343.00

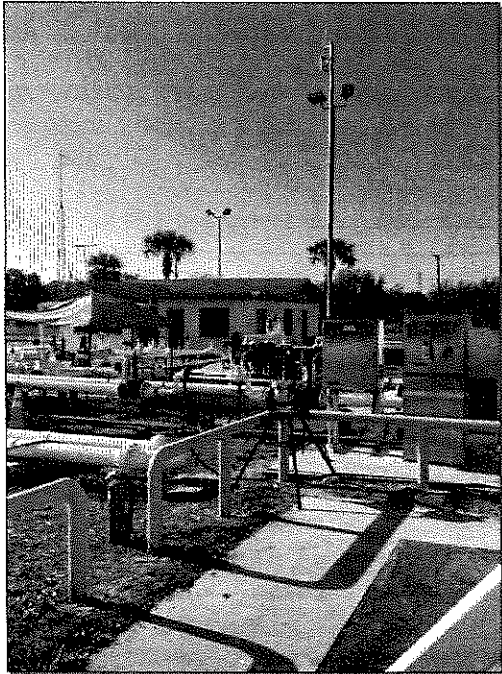


EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

12

TITLE AND LOCATION (City and State) <b>CF Industries Ammonia Tank Monitoring Project</b> <i>Tampa, FL</i>		YEAR COMPLETED CONSTRUCTION (if applicable) <b>2012</b>
<b>PROJECT OWNER'S INFORMATION</b>		
PROJECT OWNER <b>CF Industries</b> 3222 Maritime Blvd. Tampa, FL 33605	POINT OF CONTACT NAME <b>Calvin Hill</b> Electrical Superintendent	POINT OF CONTACT TELEPHONE NUMBER <b>(813) 784-2309</b> <b>(chill@cfifl.com)</b>

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)



Curry Controls Company was selected to provide critical SCADA cellular communications networking between two remote control points located at the Port of Tampa to a centralized SCADA monitoring site approximately four miles away.

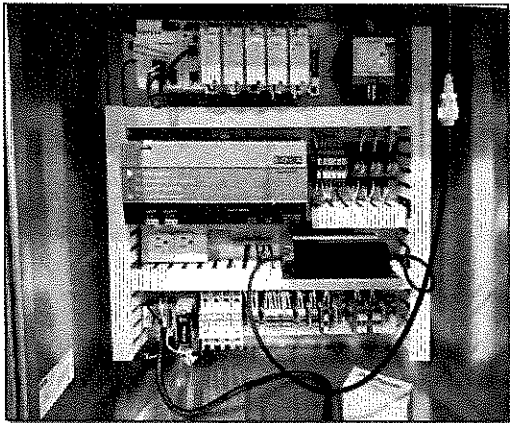
Licensed narrow band, and license free spread spectrum applicability was not appropriate in the heavily structured tank farm environment, and because of the need for system completion in a very narrow, 30 day window, time frame.

Curry Controls applications engineers designed the required cellular RTUs, and fabricated and tested them in our Lakeland facility panel shop. Each NEMA 4X RTU contained a Schneider M340 PLC with I/O, backup power supplies and an advanced Calamp Cellular Router. CCC commissioned the cellular routers for operation on the Verizon cellular data network.

Because this system monitored ammonia transmission line pressures, pump status and alarms, and was located in an environmentally sensitive area, it was critical that the monitoring system be durable, reliable, and repeatable.

System delivery was 30 days.

Total cost of project \$242,125.00



**EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

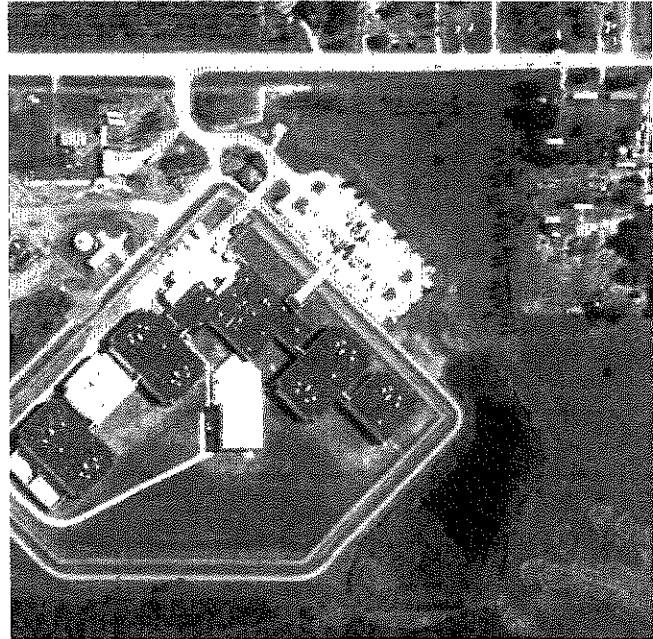
TITLE AND LOCATION (City and State) <b>Polk County South Jail</b> <i>Frost Proof, Florida</i>	YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) <b>2011</b>
<b>PROJECT OWNER'S INFORMATION</b>		
PROJECT OWNER <b>Polk County Florida</b> <b>1103 US Highway 98 W</b> <b>Frostproof, Florida</b>	POINT OF CONTACT NAME <b>Mr. Joshua Hutton</b>	POINT OF CONTACT TELEPHONE NUMBER <b>863-701-6345</b> <b>JoshuaHutton@polk-county.net</b>

**BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** (Include scope, size, and cost)

In 2008 Curry Controls was contracted to design and install an Electronic Security System for the Polk County South County Jail. This was a two part upgrade to the jail. This first phase was awarded to Curry Controls at a cost of \$2,623,530.00. The second phase was awarded to Curry Controls in 2010 at a cost of \$1,551,451.00

Scope of work included designing and installing the Electronic Security System for Polk South County Jail using GE Fanuc iFix, Modicon Quantum and M340 PLC's, Cisco switches, integrated with over four-hundred & fifty (450) Pelco Endura CCTV System and Stenofone Intercom System using a PC card programmed in "C" language. The facility is designed to house over fourteen hundred (1400) inmates, access control provided allowed for monitoring and control of over fifteen hundred (1500) independent doorways.

**OVERVIEW** From the HMI's, the officers on duty are notified of incoming intercom requests by an audible sound coming from the touch screen and the icon for the requesting intercom flashes. The officer then has to press the touch screen to open communications with the substation and the CCTV camera associated with the substation is displayed on the spot monitor so the officer has voice communication and visual indication of who is at the door requesting to be opened, then the icon for the door is pressed to unlock the door.



- 19 iFix HMI's with (25) 32" Touch Screens
- 1 Modicon Quantum PLC
- 7 Modicon M340 PLC's
- 2000 IO Points Wired
- 7 Cisco Switches Over Gigabit Fiber
- 1 Stenofone Alphacom Exchange Server
- 1000 Intercom Substations
- 2 Pelco System Managers
- 1 Pelco ASCII Interface
- 450 Pelco CCTV Cameras



EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S  
 QUALIFICATIONS FOR THIS CONTRACT

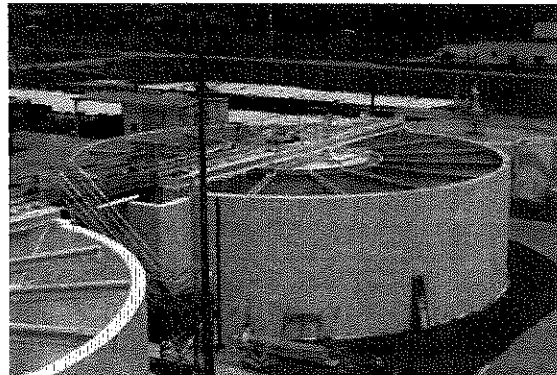
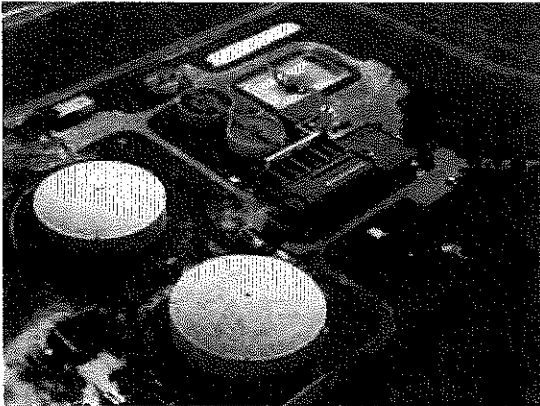
TITLE AND LOCATION (City and State)		YEAR COMPLETED (2011)	
T.B. Williams Water Treatment Plant PICS Replacement Lakeland, Florida		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) 2010 - 2011
PROJECT OWNER'S INFORMATION			
PROJECT OWNER	POINT OF CONTACT NAME	POINT OF CONTACT TELEPHONE NUMBER	
City of Lakeland 1140 East Parker Street Lakeland, Florida 33801	Joe Costine	(863) 834-6750 Joseph.costine@lakelandgov.net	

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)

The project included a complete control system change, and a refurbishment of the Control Room. The new controls system is the Delta V which is a Distributed Controls System manufactured by Emerson.

The Control System included 13 Well Pump Control Panels, 3 Filter Control Panels, 3 Booster Pump Stations and 3 Process Control Panels for the Water Treatment Plant Process Controls. All of the Control Panels were designed to include their own CPU and IO for stand alone control. The Control Room refurbishment included refurbishment of all control room surfaces, a new Control Room Console and the installation of a Video Wall Display by Planar. The new Delta V Controls System was installed and the existing Controls System removed while keeping the Water Treatment Plant operating at full capacity.

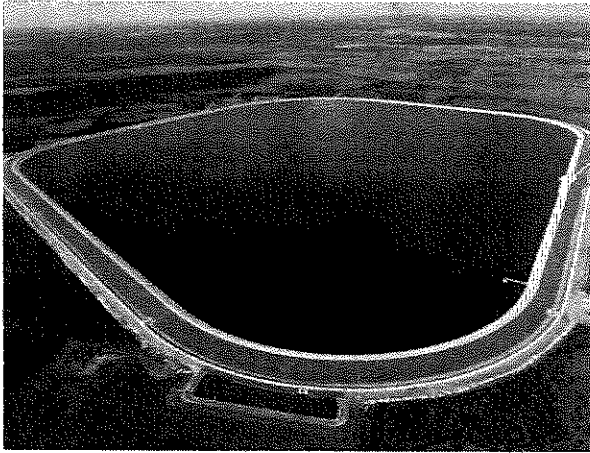
The project duration was 1 year in length and cost \$1,959,000.



EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

TITLE AND LOCATION (City and State)		YEAR COMPLETED	
PRMRWSA - Reg #2 Reservoir Expansion Bradenton, FL		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) 2009
PROJECT OWNER'S INFORMATION			
PROJECT OWNER	POINT OF CONTACT NAME	POINT OF CONTACT TELEPHONE NUMBER	
Peace River Manasota Regional Water Supply Authority	Doug Leath	(863) 244-1542 DLeath@regionalwater.org	

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)

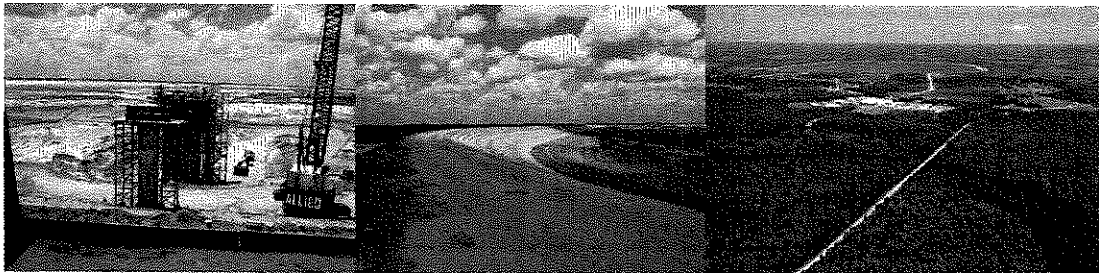


Population growth in the region served by the Peace River Manasota Regional Water Supply Authority led to the construction of a new, 6-billion-gallon reservoir, which doubled the Authority's resources. The project included construction of a new, off-stream, above-ground reservoir with a four-mile perimeter. The embankment is on average 37 feet in height and consists of compacted fill with a geosynthetic impervious membrane as well as a soil-bentonite slurry wall to prevent seepage.

The project's control system included dam instrumentation which consisted of an ADAS system with 22 solar powered RTUs, 70

piezometers, and 14 seepage flumes for monitoring of the dam structure and daily system reports. The system also included a GE Fanuc 90-30 PLC control panel which was connected to existing fiber optic back bone to the main plant GE Proficy iFix SCADA system. The new 90-30 PLC provided control of dam outlet valve, controls flow, and reservoir level. In addition to the RTU's, PLC control panel, Curry Controls also provided a new fiber optic network, the dam monitoring instruments, including the calibration, installation, PLC programming, daily reports and iFix SCADA screens.

The total contact price for the project was \$581,931.00.



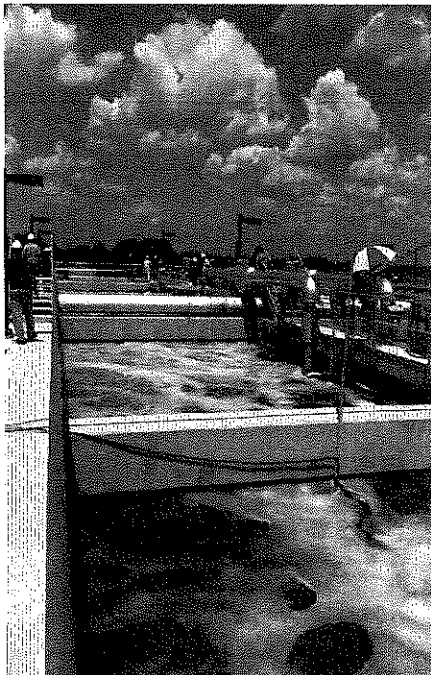
EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

TITLE AND LOCATION (City and State)	YEAR COMPLETED
Polk County Northeast Regional WWTF Expansion Davenport, FL	CONSTRUCTION (if applicable) 2009

PROJECT OWNER'S INFORMATION		
PROJECT OWNER	POINT OF CONTACT NAME	POINT OF CONTACT TELEPHONE NUMBER
Polk County Utilities 1011 Jim Keene Winter Haven, FL 33880	Chuck Nichols	(863) 581-0111 charlesnichols@polk-county.net

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)

Curry Controls Company provided systems integration services for the expansion of the Northeast Regional Wastewater Treatment Facility from 3.0 million gallons per day (mgd) to 6.0 mgd. The facility process improvements included new headworks screening facilities, BNR, RAS/WAS pump station, equalization basin, blowers, filtration, high service pumps, augmentation well, sludge stabilization and dewatering.



System architecture included a centralized PC-based, client-host SCADA application. The SCADA software installed and provided was GE Prophecy iFix (ver. 5.1)

An Engineering work station was provided and configured from an existing OWNER-furnished application server. The Engineering work station software included a development license of the SCADA application in addition to Network Maintenance, Profibus-based process device management, and PLC programming software.

Network services provided included a counter-rotating, redundant media, Wide Area Network (WAN), supporting industrial Ethernet (Profinet or equivalent). The physical communication media between the SCADA application and the process control PLCs was fiber optic between facilities and Category 6 copper wire within the physical structure of a facility.

A centralized, PLC-based, process control system was utilized. The process control system included two (2) Central Processors configured to offer warm-standby operation. Additionally, the plant wide SCADA system interfaced with a PLC-based, medium voltage

monitoring and control system, which included Medium voltage switchgear and the diesel engine driven generators.

Field devices provided included networked EPC control panels, intelligent VFD drives and motor starters for all motors, intelligent field instrumentation, and intelligent motorized actuators for control valves.

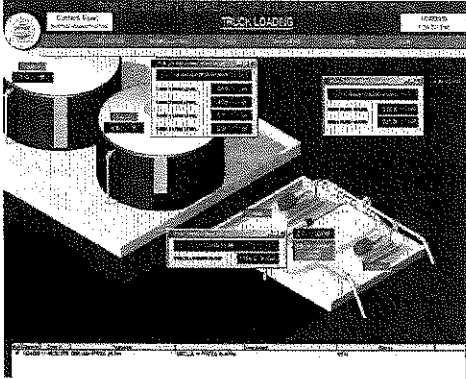
Total cost of project \$2,245,000.00.

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

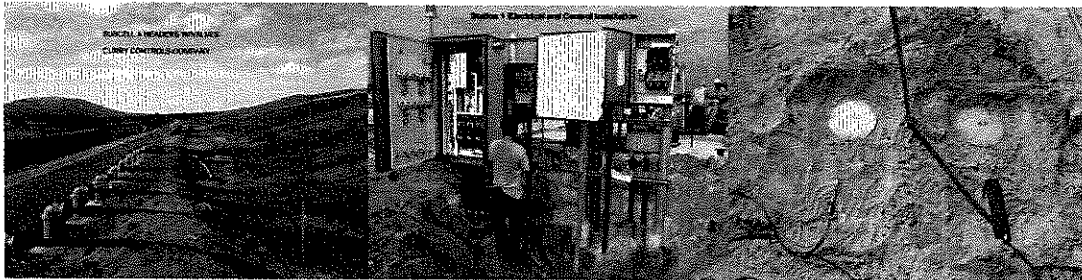
TITLE AND LOCATION (City and State)		YEAR COMPLETED	
Polk Solid Waste Resource Management Winter Haven, FL		PROFESSIONAL SERVICES 2003-2012	CONSTRUCTION (if applicable) 2009
PROJECT OWNER'S INFORMATION			
PROJECT OWNER	POINT OF CONTACT NAME	POINT OF CONTACT TELEPHONE NUMBER	
Polk County Solid Waste Leachate Collection System	Sharon Hymiller	(863) 559-2920 SharonHymiller@polk-county.net	

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)



Curry Controls has been providing both system integration and maintenance services to the Polk County Waste Resource Management Division for over 15 years. Curry Controls has completed several projects including providing PLC control panels that monitor and control the leachate collection, storage, injection and disposal. The Bioreactor Project that Curry Controls completed as the General Contractor was even featured on the History's Channel "Modern Marvels" for the cutting edge design in the solid waste industry. Currently we are involved in day to day repairs of the leachate collection SCADA system on an ongoing basis. The leachate collection system and facility

instrumentation consist of over twenty plus control panels on a fiber optic self healing ring to monitor and control the collection system. The system is built on the GE Fanuc PLC platform with GE Proficy IFix SCADA system, iHistorian for data collection, and IFix Terminal Server for remote viewing of the system.

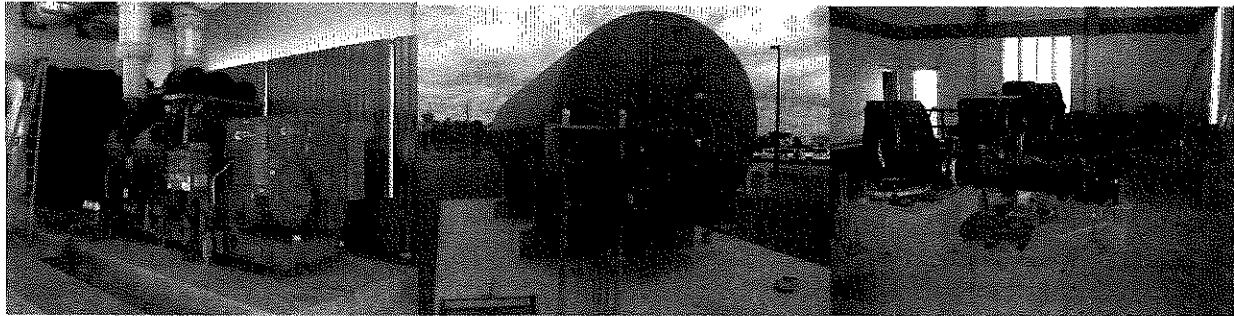


<b>EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		EXAMPLE PROJECT KEY NUMBER <b>18</b>
TITLE AND LOCATION (City and State) <b>Rangeline Road WTP</b> <b>Port St. Lucie, Florida</b>	PROFESSIONAL SERVICES	YEAR COMPLETED CONSTRUCTION (if applicable) <b>2009</b>
<b>PROJECT OWNER'S INFORMATION</b>		
PROJECT OWNER <b>City of Port St. Lucie</b> <b>900 SE Ogden Lane</b> <b>Port St Lucie, FL 34983</b>	POINT OF CONTACT NAME <b>Brad Macek</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(772) 873-6412</b> <b>BMacek@cityofpsl.com</b>
BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)		

**SCOPE:** The project consisted of developing and controlling high service pumping operations based on PLC control logic with a standalone back-up controller for emergency operations. Other aspects of this project included but not limited controlling of the Ground Storage Tank filling and backfilling operations, Chlorine & Ammonia Distribution Injection Control, Chlorine & Ammonia Ground Storage Injections Control, monitoring of the generator fuel storage system, monitoring of the standby generators via Modbus communications, develop and implement local and remote SCADA Control and alarming.

PLC Manufacture used: Modicon Quantum Series  
 SCADA Software used: GE Proficy iFix  
 Back-up Controller used: Honeywell UDC 3500

**COST:** \$195,000





EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S  
QUALIFICATIONS FOR THIS CONTRACT

19

TITLE AND LOCATION (City and State) <b>Water/Wastewater SCADA Improvements Tuscaloosa, Alabama</b>		YEAR COMPLETED CONSTRUCTION (if applicable) <b>2006</b>
PROJECT OWNER'S INFORMATION		
PROJECT OWNER <b>City of Tuscaloosa Utilities 2201 University Blvd Tuscaloosa, AL</b>	POINT OF CONTACT NAME <b>Jimmy Junkin</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(205) 248-5508 jjunkin@tuscaloosa.com</b>

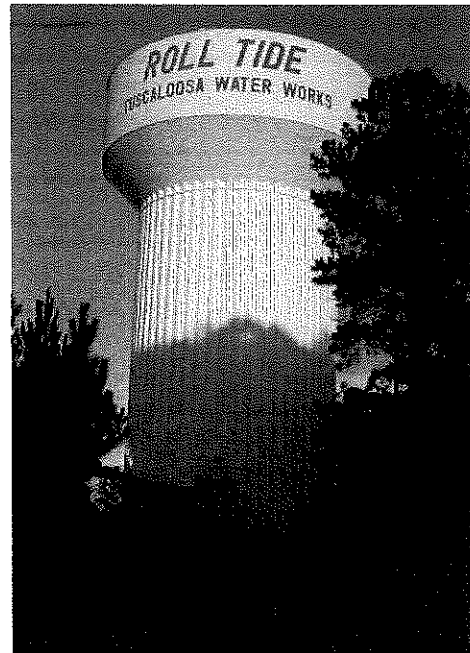
## BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost.)

Curry Controls Company (CCC) closely coordinated with Tuscaloosa Utilities personnel to coordinate the installation and integration of telemetry controls at over forty-two (42) Lift Station Sites, six (6) Water Storage Tanks, and three (3) Booster Pump Stations. This project was completed in March 2010. All work was performed as a prime contractor. Of particular relevance is that over thirty (30) of the aforementioned lift station sites incorporated Mission Communications cellular network connectivity. This private cellular network was comprised of Remote Terminal Units (RTUs) and redundant servers that utilized a digital cellular telephone network and the Internet to provide a Virtual Private Network (VPN) for process control connectivity between SCADA host facilities, Internet connected Users, and the RTUs.

The completed project provided the Owner with Wastewater Collection and Water Distribution Supervisory Control and Data Acquisition (SCADA) System and which included an Improved Hybrid Communication Network Linking SCADA Local Area Networks (LANs) at the Hillard N. Fletcher Wastewater Treatment Plant (WWTP) and the Ed Love Water Treatment Plant (WTP) with the existing City of Tuscaloosa Wide Area Network (WAN), the existing WWTP PLC network, and a network of Programmable Logic Controllers (PLCs) and Remote Terminal Units (RTUs) at remote water distribution and wastewater collection facilities. Monitoring and control improvements at wastewater collection and water distribution facilities facilitated interfacing with the new hybrid communication network and remote RTU sites. SCADA LAN improvements at the WWTP and the WPT included the addition of Operator Workstations, SCADA servers, data concentrators, Historian Servers and SCADA Web Servers. SCADA browser clients installed on existing workstations located on existing City WWTP and WTP Admin LANs and also located on the existing City WAN provided access from those existing workstations to SCADA web servers.

These installations were performed around the operating constraints of Utility Operations and occurred successfully without interruption of daily operations. This project demonstrates CCC's ability to successfully execute coordinated outages with minimal impact to the facility operations.

Total Project cost for Design and Construction was \$4,398,076.



**TAB 4 B**

**Please refer to CD for Drawings and O&M Manual provided for the Lee County Olga WTP Improvements project.**

**TAB**

**4C**



**Olga WTP Improvements – Lee County**

Project Owner Contact Name: Cadd Balogh – Lee County  
Phone Number: 239-694-4038  
Address: 1450 Werner Drive  
Alva, FL 33920

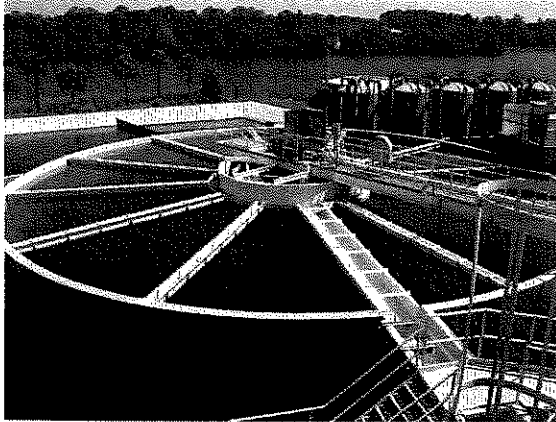
General Contractor Contact Name: Curry Controls Company – Eric Sullivan  
Phone Number: 863-646-5781 Ext. 113  
Address: 4245 S. Pipkin Rd.  
Lakeland, FL 33811

Principal Design Firm Contact Name: RKS Consulting Engineers – Tracy Prokopetz  
Phone Number: 239-481-6775  
Address: 15400 Shamrock Dr.  
Fort Myers, FL 33912

**\*\*SEE ATTACHED PAGE FOR DESCRIPTION OF PROJECT AND TOTAL COST**

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		EXAMPLE PROJECT REF #/OWNER
TITLE AND LOCATION (City and State) <b>Lee County Utilities – Olga WTP Improvements</b> <i>Lee County, Florida</i>		YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (if applicable) <b>2012</b>
PROJECT OWNER'S INFORMATION		
PROJECT OWNER <b>Lee County Utilities</b> 1450 Werner Drive <b>Alva, FL 33920</b>	POINT OF CONTACT NAME <b>Mr. Cadd W. Balogh</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(239) 694-4038</b> <b>cbalogh@leegov.com</b>

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)



The Olga project for Lee County Utilities was a controls systems upgrade to an existing 5 MGD surface water treatment plant that was successfully completed in May 2012. The facility was based on surface water treatment process that had no automated control systems. The primary goal of the project was to replace the existing manual control operator console with a new Allen Bradley PLC based control system including three new Citect based SCADA servers as well as a new fiber optic network, instrumentation, grounding systems and lightning protection system.

The engineering firm for the project was RKS Consulting Engineers in Fort Myers Florida. Curry Controls served as the General contractor overseeing the project as well as the project

systems integrator. General construction duties included procurement and management of all subcontractors and system integration duties to provide sole responsibility for a complete functioning system, while maintaining existing plant services during the project.

RKS provided a general set of plans that included the requirements for the replacement and modifications of the existing control system, new conduit installation, new grounding system, new lightning protection system, three new Allen Bradley PLC control panels with industrial touch screen computers, various auxiliary control panels, as well as the addition of various instrumentation including three analyzer panels to monitor turbidity, ph, CL2 and temperature. Other instruments were included to monitor various plant flows, pressures, tank level, and fuel level. Curry Controls was responsible for the development of final panel design drawings, loop diagrams, fiber network connection diagrams, and project as built drawings for all new conduits and fiber duct banks installed. This included the installation of the services above.

Curry Controls provided PLC and SCADA programming services based on the Allen Bradley PLC platform with a Citect SCADA on a new Fiber Optic backbone. Additional panels built and installed were PLC 7-High Service & Raw Water Control, PLC 1-Main Plant Control Panel, PLC 10- Chemical System Control Panel. Auxiliary control panels included a new Sludge Pump Control Panel, Fluoride, Caustic, Bleach, Sulfuric Acid, Alum, and Lime Interface Control Panels. Also required was the interfacing of the new control systems with several existing well controls panels, GAC stack control panels, and filter back wash control panels. Additionally, we provided fiber testing, instrument calibrations, ORT testing, and startup of the new control system.


The base contract in the amount of \$1,518,000 was completed with no additional cost with an unused "unforeseen conditions" owner contingency credit of \$50,000. This resulted in a total contract upon completion of \$1,468,000. A project time change was approved due to owner related repairs requiring additional contract time of 161 additional calendar days.

**TAB**

**5**

RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

NAME <b>Schlicht, Donald PE</b>	ROLE IN THIS CONTRACT <b>Instrumentation &amp; Controls \ SCADA</b>	YEARS EXPERIENCE	
		a. TOTAL <b>21</b>	b. WITH CURRENT FIRM <b>14</b>

FIRM NAME AND LOCATION (City and State)  

**Curry Controls Company**  
**4245 South Pipkin Road**  
**Lakeland, Florida 33811**

EDUCATION (DEGREE AND SPECIALIZATION) <b>BS / Electrical Engineering / Rice University</b>	CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>PE / FL / 55412</b> <b>PE / GA / 27604</b>
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OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
**Allen-Bradley PLC 5 Advanced Programming, Allen-Bradley 1336 Drive Configuration and Maintenance, Rockwell Software RSVIEW HMI, Intellution iFix DMACS HMI, GE PLC training, Allen-Bradley ControlLogix PLC Programming**

RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>7.0 MGD Lime Softening WTP</b> <b>Bartow, Florida</b> (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager & Controls Engineer for the City of Bartow's 7.0 MGD Lime Softening WTP. Curry Controls Company supplied and commissioned the Plant Control System for the City of Bartow, FL 7.0 MGD Lime Softening Water Treatment Plant. Scope included providing four (4) WTP PLC control panels, four (4) production well PLC control panels, various level, pressure and flow instruments and three SCADA computers. All control panels are networked together using a redundant fiber optic Ethernet network. Products provided included Allen-Bradley ControlLogix PLC hardware and Rockwell Automation RsView32 software. Contract Fee: \$668,000.00		2002
b.	<b>Clayton County Wastewater SCADA Improvement</b> <b>Clayton County, Georgia</b> (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Senior Controls Engineer. Managed, designed, programmed and started up a waste water lift station RTU/SCADA System for the entire County of Clayton, Georgia. This SCADA system consisted of over 32 PLC based RTU's utilizing Allen-Bradley MicroLogix PLC's, a pair of redundant SCADA Servers and remote access to the SCADA data. Curry Controls Company was the Prime Contractor for this project. Contract Fee: \$1,254,000.00		2004
c.	<b>Scott Candler WTP</b> <b>Dekalb County, Georgia</b> (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Controls Engineer for the Scott Candler WTP, the largest surface water treatment plant in the Southeast. Responsibilities included final SCADA system design, programming of Allen-Bradley PLC's and RSVIEW HMI, controls network design and implementation. This plant included more than 20 servers, 11 PLCs, 43 separate networks including Profibus, ControlNet, DeviceNet and Ethernet. This project also included fieldbus control of all MCC's and field instrumentation. Contract Fee: \$4,597,000.00		2007
d.	<b>Implementation of the Strategic Information System (ISIS) SCADA Master Plan</b> <b>DeKalb County, Georgia</b> (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Controls Engineer for the ISIS SCADA Master Plan project. Responsible for implementation of a SCADA system for the County's sewer flow monitoring system, Modification to the Pole Bridge Creek WWTP SCADA system including complete PLC replacement and HMI upgrades using Siemens PLC's and Wonderware HMI. Contract also required replacement of over forty (40) remote telemetry units within the distribution system and addition of approximately seven (7) pressure monitoring sites within the distribution system. Contract Fee: \$4,015,300.00		2007

RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

NAME <b>Sullivan, Eric</b>	ROLE IN THIS CONTRACT <b>Project Manager</b>	YEARS EXPERIENCE	
		a. TOTAL <b>15</b>	b. WITH CURRENT FIRM <b>15</b>

FIRM NAME AND LOCATION (City and State)



**Curry Controls Company**  
**4245 S. Pipkin Rd**  
**Lakeland, FL 33811**

EDUCATION (DEGREE AND SPECIALIZATION) <b>Electrical IBEW Certification</b>	CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>N/A</b>
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OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**Modicon PLC Programming, Citect HMI Programming, RS Logic PLC 5 Training, RSView 32 Training**

RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Lee County Utilities – Olga WTP Improvements</b> <i>Lee County, FL</i>	<b>2012</b>	<b>2012</b>
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Controls Systems Upgrade to an existing 5 MGD surface WTP. The primary goal of the project was to replace the existing manual control operator console with a new Allen Bradley PLC based control system including three new Citect based SCADA servers as well as a new fiber optic network, instrumentation, grounding system and lightning protection system. Total Contract Amount \$1,468,000.00.		
<b>Orange County Utilities – Southern Regional WSF Project</b> <i>Orlando, FL</i>	<b>N/A</b>	<b>2012</b>
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Implemented a centralized architecture allowing coordination and control of all the county's production facilities from a master control room based on a proven platform of Modicon PLCs and GE Proficy iFix HMI, the plant is controlled by a network of 13 separate PLC controllers. Total Contract Amount \$1,945,000.00.		
<b>Orange County Utilities – Electrical, Instrumentation and Controls SCADA Upgrades</b>	<b>2009</b>	<b>2009</b>
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was a design/build and covered various tasks across 8 different facilities implementing a county-wide electrical and control systems upgrade. The existing system was replaced with a new facility control panel based on the Quantum series PLC platform. The facility upgrades included all system conduit, wiring, cable tray installation, new instruments, new power monitoring for utility and generator, new facility UPS system, fiber optic installation, lightning protection and grounding system and security access control system. Total Contract Amount \$4,000,000.00.		

## RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

NAME <b>Thompson, Keith</b>	ROLE IN THIS CONTRACT <b>Project/Field Engineer</b>	YEARS EXPERIENCE	
		A. TOTAL <b>28</b>	B. WITH CURRENT FIRM <b>18mos</b>

FIRM NAME AND LOCATION (City and State)



**Curry Controls Company**  
**4245 South Pipkin Road**  
**Lakeland, Florida 33811**

EDUCATION (DEGREE AND SPECIALIZATION)

**BSET Electrical Engineering Technology – Purdue Univ.**

CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

**None**

OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)/10mos

**Siemens Step7 Programming, Siemens General Purpose Drive Programming, Schneider Citect SCADA programming, Allen Bradley RSLogix Programming,**


## RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>Polk County NERWWTF Expansion Project</b> <b>Davenport, FL</b>	<b>2012</b>	<b>2012</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Engineer. Assisted in the programming and startup of controls, instrumentation and SCADA for a <i>Project Cost: \$2,200,000.00</i> expansion project. This included a new plant-wide Siemens PLC control system and profibus instrumentation throughout the plant.</b>		
b.	<b>Polk County NERWWTF Biosolids Facility</b> <b>Davenport, FL</b>	<b>2012</b>	<b>2012</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Engineer. Assisted in the programming and startup of this \$120K addition to the NERWWTF Expansion Project above. This project added a dewatering facility consisting of 2 90-GPM screw presses, oscillating discharge conveyors, polymer feed controllers and weigh scales.</b>		
c.	<b>Orange County Utilities Sand Lake Rd. Digester Improvement Project</b> <b>Orlando, FL</b>	<b>On-going</b> <b>90% Complete</b>	<b>On-going</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager &amp; Controls Engineer. Managed, designed, and performed all PLC programming, OIT programming and startup for \$90K Digester Improvement Project. This project involved adding new field instrumentation to monitor new floating covers and gas recovery system on digester tanks.</b>		
d.	<b>Kennedy Space Center</b> <b>Water &amp; Wastewater Revitalization Project – Phase 3</b> <b>Titusville, FL</b>	<b>On-going</b> <b>50% Complete</b>	<b>On-going</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager &amp; Controls Engineer. Managing, designing, and programming PLCs and OITs on \$200K project to add Water Pumping Station, Ground Storage Facility, and Water Quality Monitoring Station. This project is using SLC 505 PLCs, Maple System OITs and Citect SCADA system updates.</b>		
e.	<b>Kennedy Space Center</b> <b>Chiller Controls Improvement Project</b> <b>Titusville, FL</b>	<b>Ongoing</b> <b>Submittal Stage</b>	<b>Ongoing</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Assigned as Project Manager/Controls Engineer for \$1.4M project to replace existing DDC-based Chiller Water control system with PLC-based control system and new SCADA server hardware. This project includes Modicon Quantum PLCs, Magellis OITs and Citect SCADA system.</b>		

**RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

NAME <b>Borgsmiller, Ralph E</b>	ROLE IN THIS CONTRACT <b>Instrumentation &amp; Controls \ SCADA</b>	YEARS EXPERIENCE	
		A. TOTAL <b>39</b>	B. WITH CURRENT FIRM <b>27</b>

FIRM NAME AND LOCATION (City and State)



**Curry Controls Company**  
**4245 South Pipkin Road**  
**Lakeland, Florida 33811**

EDUCATION (DEGREE AND SPECIALIZATION) <b>BS / Electrical Engineering / Southern Illinois University</b>	CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>N/A</b>
------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------

OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
**Schneider-Modicon Concept PLC Programming, Schneider-Modicon ProWorx 32 PLC Programming, Schneider CiTect SCADA HMI, Intellution iFix DMACS HMI**

**RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Tamarac SCADA Water Improvement</b> <i>Tamarac, Florida</i>		<b>2003</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Application Engineer responsible for SCADA hardware, software and RF network equipment selection, configuration and commissioning. Including programming PLC system to control the City's Water Distribution System, raw water wells, and numerous lift stations. The SCADA system was primarily comprised of Modicon PLC's, Intellution HMI and Motorola RF transceivers. Contract Fee: \$1,254,000.00		
b.	<b>Hillsborough County SCADA System</b> <i>Hillsborough County, Florida</i>		<b>2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer supporting the project team with preparing computer generated engineered shop drawings, and as-built documentation including control panel assembly drawings, end-to-end wiring diagrams, custom PLC programs that sequenced numerous pumps, motors, VFD's, etc. at over 163 remote lift station locations throughout the County. Responsible for assisting project team with coordination of control systems without impact to the facility operations. Contract Fee: \$5,530,900.00		
c.	<b>Electrical and SCADA Improvements – Water Treatment</b> <i>Orange County, Florida</i>		<b>2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer for this design/build contract responsible for all aspects of the project. Specifically engineering shop drawings, and as-built documentation including control panel assembly drawings, end-to-end wiring diagrams, fiber optic and copper network diagrams, control system diagrams, PLC programs, and O&M manuals. The project also required intensive coordination associated with extensive demolition and replacement of low voltage MCC's & Automatic Transfer Switches (ATS) at four (4) WTP sites, and total demolition and replacement of control systems at seven (7) each WTP sites. Access control system (Lenel) responsibilities included supervision and installation of card readers, new gates, electric gate operators, and embedded road sensors as required at each facility, with remote access from the County's remote monitoring location. Contract Fee: \$4,000,079.00		
d.	<b>Southern Regional WTP Improvements.</b> <i>Orange County, Florida</i>		<b>2012</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Manager and Controls Engineer responsible for overall project management and design. Responsibilities included control panel design, field instrumentation, fiber optic network design, and integration of both Lenel access control systems and CCTV into the plant wide SCADA system. Supported the applications engineers with development and deployment, and coordination of HMI applications at SRWTP as well as the remote operator station upgrades located at the County's Eastern Regional WTP, the central monitoring location for all County WTP facilities. Contract Fee: \$1,951,400.00		

NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		TOTAL	WITH CURRENT FIRM
Beeson, John E	Instrumentation & Controls \ SCADA	21	17

FIRM NAME AND LOCATION (City and State)



**Curry Controls Company**  
 4245 South Pipkin Road  
 Lakeland, Florida 33811

EDUCATION (DEGREE AND SPECIALIZATION)

NJATC / Industrial Electrical / IBEW (1990 – 1995)  
 Microsoft Certified Systems Engineer  
 Microsoft Certified Professional + Internet  
 Comp TIA Network + Certification

CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

N/A

OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Wonderware Integration Training, VTS SCADA Integrator certification, Allen-Bradley PLC 5 Advanced Programming, Allen-Bradley 1336 Drive Configuration and Maintenance, Rockwell Software RSView HMI, Intellution iFix, DMACS HMI, GE PLC training, Schneider-Modicon Concept PLC Programming, Schneider CiTect SCADA HMI, Allen-Bradley ControlLogix PLC Programming

## RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Polk County Utilities Fast Track Improvement Project <i>Polk County, Florida</i>		2002
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Application Engineer responsible for SCADA hardware, software, and network equipment selection, configuration, and commissioning for improvement of an existing 2 MGD waste water treatment facility. This project included control of aeration mixers, effluent transfer pumps, high service reuse pumps, sludge stabilization and ground storage control. Performed application engineer services and developed a graphical user interface ( <i>Intellution iFix</i> ) for all associated processes. Contract Fee: \$138,000.00		
b.	Implementation of the Strategic Information System (ISIS) SCADA Master Plan <i>Orange County, Florida</i>		2007
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project application engineer responsible for overseeing modifications to the Pole Bridge Creek WTP SCADA system with particular emphasis to HMI development utilizing Wonderware HMI. Also responsible for configuration and deployment of networked SCADA servers. Additional duties included coordinating existing HMI database with new RTU's as associated with replacement of over forty (40) remote telemetry units within the distribution system. Contract Fee: \$4,015,300.00		
c.	Electrical and SCADA Improvements – Water Treatment		2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Application Engineer supporting the project team with development, deployment, and coordination of HMI applications and Lenel access control systems as associated with new control systems at each of the seven (7) Water Treatment Plant locations associated with this contract. Development duties required custom graphical screens utilizing GE Proficy iFix (Intellution) SCADA software sequenced over a thousand control system components including but not limited to pumps, motors, VFD's, etc. plus incorporating existing HMI graphics for over fourteen (14) existing Water Treatment Plant locations throughout the County. Successfully coordinated these installations around the operating constraints of the Utility Operations without interruption of daily operations.		
d.	Southern Regional WTP Improvements. <i>Orange County, Florida</i>		2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Application/Network Engineer responsible for development, deployment of the SCADA application at SRWSF as well as the remote operator station upgrades located at the County's Eastern Regional WTP, the central monitoring location for all County WTP facilities. Duties included selection, deployment, configuration of all SCADA servers and workstations, graphical screen development for SRWSF and ERWSF, and networking of Lenel access control systems and CCTV's into the plant wide SCADA system. HMI development duties required custom graphical screens utilizing GE Proficy iFix (Intellution) SCADA software for all plant process. Contract Fee: \$1,951,400.00		



# Certificate of Completion

This is to certify that

**John Beeson**

has successfully completed a course in

**RSView32**

On

March 6 - 9, 2001



*Liz Spencer*  
Liz Spencer - ASI Certified Instructor

RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

NAME <b>Brown, Mike</b>	ROLE IN THIS CONTRACT <b>Instrumentation &amp; Controls \ SCADA</b>	YEARS EXPERIENCE	
		A. TOTAL <b>2</b>	B. WITH CURRENT FIRM <b>2</b>

FIRM NAME AND LOCATION (City and State)



**Curry Controls Company**  
4245 S. Pipkin Rd  
Lakeland, FL 33811

EDUCATION (DEGREE AND SPECIALIZATION)

**BS in Information Technology**  
**Vijeo Citect Certified Professional**  
**Invensys Wonderware Certified Application Developer**

CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

N/A

OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**Vijeo Citect 7.20 Configuration Training, Vijeo Citect 7.20 Architecture and Redundancy Training, GE iFix development training.**

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES YEAR	CONSTRUCTION (if applicable) YEAR
a.	<b>Kennedy Space Center Chilled Water</b> <i>Kennedy Space Center, FL</i>		<b>2012-2014</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Application engineer responsible for the development of HMI for Chilled Water system upgrade using Vijeo Citect 7.20. Also responsible for computer hardware procurement and implementation. Job includes upgrade of entire Industrial Area chiller system for Kennedy Space Center. Total Project Cost: \$1,255,128		
b.	<b>Kennedy Space Center Water/Wastewater</b> <i>Kennedy Space Center, FL</i>		<b>2012</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Application engineer responsible for the development of HMI for the water/wastewater treatment using Vijeo Citect 6.10. System has control and monitoring capabilities for pumps and water quality analysis for Kennedy Space Center. Total Project Cost: \$132,067		
c.	<b>Orange County SCADA Improvements</b> <i>Orange County, FL</i>		<b>2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Application Engineer responsible for converting existing Vijeo Designer graphics screens into Proficy iFix graphics screens. Also responsible for configuration, deployment, and testing SCADA servers, workstations, and FX100 zero clients. Project included upgrade of entire SCADA system for a regional water treatment facility. Total Project Cost: \$1,200,000		
d.	<b>Polk South County Jail</b> <i>Frostproof, FL</i>		<b>2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Application engineer responsible for maintenance of Curry Controls installed SCADA system. Job includes ongoing maintenance of system that monitors and controls doors, video surveillance, and intercom systems. Project includes, but is not limited to Pelco hardware, Cisco managed switches, Microsoft SQL server, GE Proficy iFix, and various Dell hardware. Total Project Cost: \$2,000,000		
e.	<b>City of Lakeland Water Treatment</b> <i>Lakeland, FL</i>		<b>2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Application engineer responsible for configuration and implantation of all computer hardware, and software. Project utilized the DeltaV platform in conjunction with Matrikon OPC software and SAP Crystal Reports. Responsible for setting up localized domain network independent from cities' network, configurations of Dell FX100 zero configuration devices throughout the facility, and establishing communication to field devices. Total Project Cost: \$1,100,000		

# Educational Services

This is to certify that  
**Mike Brown**

has successfully completed the requirements to be recognised as a  
**Vijeo Citect Certified Professional (VCCP)**  
Version 7.20

On the  
21st February 2013

AUTHORISED BY



Jason Carter

Educational Services Manager



Thomas Hininger

Vice President  
Operation & Optimization Software Activity

**PASSED**



**TAB**

**6**

**THREE (3) PROJECT REFERENCES ADDITIONAL INFORMATION**

**#1**

**Hillsborough County SCADA System**

Project Owner Contact Name: Bob Tisdale – Hillsborough County

Phone Number: 813-276-2277

Address: 925 East Twiggs Street  
Tampa, FL 33602

General Contractor Contact Name: Curry Controls Company – Milton Weaver

Phone Number: 863-646-5781 Ext. 126

Address: 4245 S. Pipkin Rd.  
Lakeland, FL 33811

Principal Design Firm Contact Name: Montgomery Watson Harza – Shane Singh

Phone Number: 954-224-5898

Address: 1000 N. Ashley Dr., Suite 400  
Tampa, FL 33602

**\*\*SEE ATTACHED PAGE FOR DESCRIPTION OF PROJECT AND TOTAL COST**

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S  
QUALIFICATIONS FOR THIS CONTRACT

EXAMPLE PROJECT ID NUMBER

1

TITLE AND LOCATION (City and State)		YEAR COMPLETED	
Hillsborough County SCADA System Hillsborough County, FL		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable) 2009
PROJECT OWNER'S INFORMATION			
PROJECT OWNER	POINT OF CONTACT NAME	POINT OF CONTACT TELEPHONE NUMBER	
Hillsborough County BOCC 952 East Twiggs St Tampa, FL 33602	Mr. Bob Tisdale	(813) 276-2277 tisdaleh@hillsboroughcounty.org	

## BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)



This project was completed in June 2011. All work was performed as a prime contractor. It is relevant as the overall scope of work for this project consisted preparing computer generated engineering shop drawings, and as-built documentation including control panel assembly drawings, end-to-end wiring diagrams, fiber optic and copper network diagrams, control system diagrams, PLC programs, and O&M manuals. It is additionally relevant that custom control panels were fabricated utilizing Modicon Quantum PLC's which included FAT testing using input simulated to represent field conditions, and the work included installing, calibrating, and integrating pressure and level transmitters, and VFD drives. Custom PLC programs and custom graphical screens utilizing Citect SCADA software that sequenced numerous pumps, motor, VFD's, etc. at over 163 remote lift station locations throughout the County. Three (3) redundant Citect SCADA servers, serving as three (3) independent central control host sites, with redundant fail over capabilities, were deployed and integrated onto a common network supporting over 163 Modicon PLC's. A single dedicated data Management Server (DMS) provided historical data collection from the entire network. The DMS server provided utilized Citect SCADA Reports and Microsoft sequel server. UPS's providing a back-up power source were installed at all three (3) redundant host sites. Complete electrical installation services were provided including conduit, connectors, control panels, j-boxes, interfacing with existing Owner equipment. Typical circuit voltages associated with the project equipment included 240 – 480 VAC, 3 phase. Construction services provided in this contract included complete design and installation of three (3) each 180 foot self-supporting towers to facilitate RF communications to the remote RTU locations, and between each of the three aforementioned control host sites.

CURRY CONTROLS COMPANY (CCC) closely coordinated with Hillsborough County Utilities personnel to coordinate integration of telemetry controls at one hundred and sixty three (163) lift station sites associated with this contract. These installations were planned around the operating constraints of Utility Operations and occurred successfully without interruption of daily operations. CCC performed all work associated with this contract with no safety violations. This project demonstrates CCC's ability to successfully execute multiple pre-arranged outages with minimal impact to the facility operations and occupants.

CCC successfully completed this \$5,530,900.00 contract without any Change Orders. After CCC was awarded the base contract, Hillsborough County did request additional services to secure three (3) each 220 MHz radio licenses resulting in an increase of \$23,625.00 to the original contract value. This was funded by AAR-1 (Authorized Allowance Reduction), AAR-1 was the only contract change, requested by the Owner, and was funded via a \$200,000.00 allowance in the original contract.

At the Owners request, CCC negotiated a contract extension due to coordination issues with other major County projects. CCC agreed to the contract extension and remained mobilized for an additional twenty-four (24) months at no additional cost to the Owner.

#2

**Orange County Utilities Southern Regional WSF**

Project Owner Contact Name: Paul Wagner – Orange County  
Phone Number: 407-497-6575  
Address: 13000 S. Orange Ave  
Orlando, FL 32824

General Contractor Contact Name: Wharton-Smith, Inc. – Robert Hahn, P.E.  
Phone Number: 407-402-5448  
Address: 750 Monroe Rd.  
Sanford, FL 32771

Principal Design Firm Contact Name: Black & Veatch Corp – Larry Brouillette  
Phone Number: 407-419-3548  
Address: 201 S. Orange Ave., Suite 500  
Orlando, FL 32801

**\*\*SEE ATTACHED PAGE FOR DESCRIPTION OF PROJECT AND TOTAL COST**

**EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

EXAMPLE PROJECT TEAM

2

TITLE AND LOCATION (City and State) <b>Orange County Utilities Southern Regional WSF Project Orlando, FL 32825</b>		PROFESSIONAL SERVICES	YEAR COMPLETED CONSTRUCTION (if applicable) <b>2012</b>
<b>PROJECT OWNER'S INFORMATION</b>			
a. PROJECT OWNER <b>Orange County Utilities Client Address</b>	b. POINT OF CONTACT NAME <b>Paul Wagner Southern Regional Director</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(407) 497-6575 Paul.Wagner@ocfl.net</b>	

**BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)**

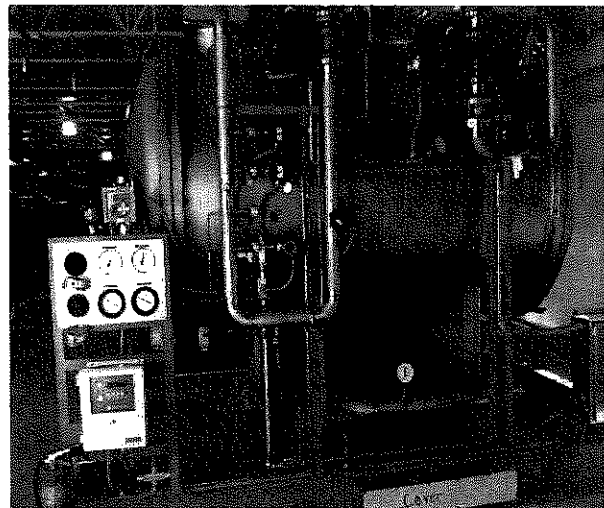
Orange County's Southern Regional Water Supply Facility is their newest state of the art plant. With 6 wells capable of producing 30 million gallons of treated drinking water a day. Onsite storage of 10 million gallons allows the plant to supply water to 21 thousand businesses and homes in the area.

**Liquid Oxygen and Tanks and Vaporizers for the Ozone System**



The process represents a new direction in the production of clean drinking water. Using a modern Ozone disinfection process, it allows the water to be treated with reduced quantity of chemicals. Driven by the need to work more cost effectively and safely. The plant is a first of its kind in the area to use Ozone. This allows the reduction in alternative disinfection techniques such as Chlorination and Ph correction, resulting in cost savings and reliability.

*Fuji Ozone Generator*



The County has implemented a centralized architecture allowing coordination and control of all of the county's production facilities from a master control room. Based on a proven platform of Modicon PLC's and GE Prophecy IFIX HMI, the plant is controlled by a network of 13 separate PLC controllers. Communications and coordination of processes take place over a self-healing fiber optic network installed throughout the site. Using thin client technologies and 4 master servers, the county has realized additional cost savings with less maintenance and operation costs in maintaining the HMI servers. Licensing and hardware costs are reduced by using a combination of thin clients and terminal server licensing to allow control from multiple locations. An iHistorian server allows the reliable collection of process data and allows the automatic generation of compliance reporting.

Total Contract Price \$1,945,000.00

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#3.

**T.B. Williams WTP PICS Replacement**

Project Owner Contact Name: Joseph Costine – City of Lakeland  
Phone Number: 863-834-6750  
Address: 1140 East Parker St  
Lakeland, FL 33801

General Contractor Contact Name: Curry Controls Company – Mike Hixon  
Phone Number: 863-646-5781 Ext. 127  
Address: 4245 S. Pipkin Rd.  
Lakeland, FL 33811

Principal Design Firm Contact Name: Black & Veatch Corp – Richard Taylor  
Phone Number: 863-738-3646  
Address: 4890 W. Kennedy Blvd, Suite 950  
Tampa, FL 33609

**\*\*SEE ATTACHED PAGE FOR DESCRIPTION OF PROJECT AND TOTAL COST**

EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S  
QUALIFICATIONS FOR THIS CONTRACT

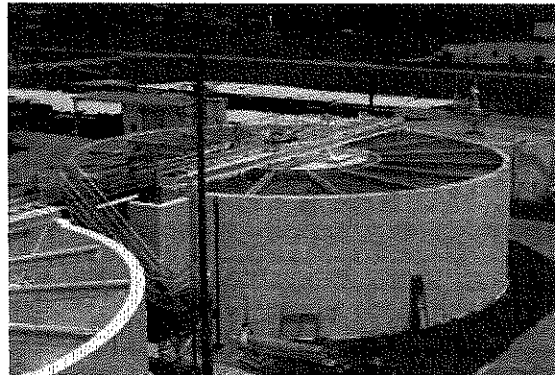
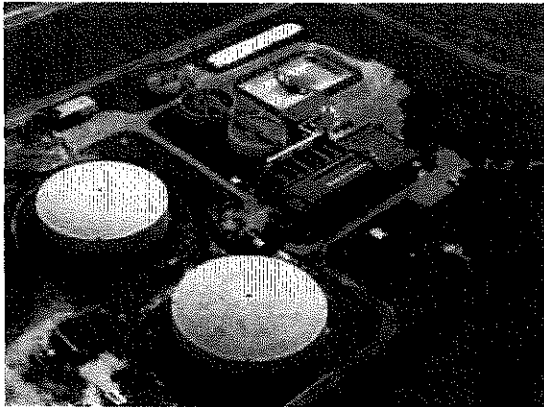
TITLE AND LOCATION <i>(City and State)</i> <b>T.B. Williams Water Treatment Plant PICS Replacement Lakeland, Florida</b>		PROFESSIONAL SERVICES	YEAR COMPLETED 2011 CONSTRUCTION <i>(if applicable)</i> <b>2010 - 2011</b>
PROJECT OWNER'S INFORMATION			
PROJECT OWNER <b>City of Lakeland 1140 East Parker Street Lakeland, Florida 33801</b>	POINT OF CONTACT NAME <b>Joe Costine</b>	POINT OF CONTACT TELEPHONE NUMBER <b>(863) 834-6750 Joseph.costine@lakelandgov.net</b>	

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and cost.)*

The project included a complete control system change, and a refurbishment of the Control Room. The new controls system is the Delta V which is a Distributed Controls System manufactured by Emerson.

The Control System included 13 Well Pump Control Panels, 3 Filter Control Panels, 3 Booster Pump Stations and 3 Process Control Panels for the Water Treatment Plant Process Controls. All of the Control Panels were designed to include their own CPU and IO for stand alone control. The Control Room refurbishment included refurbishment of all control room surfaces, a new Control Room Console and the installation of a Video Wall Display by Planar. The new Delta V Controls System was installed and the existing Controls System removed while keeping the Water Treatment Plant operating at full capacity.

The project duration was 1 year in length and cost \$1,959,000.



**TAB**

**7**



Below is a listing of SCADA and PLC Programming software that Curry Controls Company is qualified to modify, install or program.

**Allen Bradley**

RSLinx  
RSLogix 5  
RSLogix 500  
RSLogix 5000  
Studio 5000  
RSLogix Micro  
RSNetWorx  
Rsview SE/32  
FactoryTalk AssetCentre  
FactoryTalk Gateway  
FactoryTalk Historian

**Schneider Electric**

Unity Pro  
TwidoSuite  
ProWORX NxT  
ProWORX 32  
Concept  
Vijeo Designer  
Vijeo Citect  
Vijeo Historian  
Citect Scada

**TAB**

**8**

NOTE REQUIREMENT: IT IS THE SOLE RESPONSIBILITY OF THE VENDOR TO CHECK LEE COUNTY PROCUREMENT MANAGEMENT WEB SITE FOR ANY PROJECT ADDENDA ISSUED FOR THIS PROJECT. THE COUNTY WILL POST ADDENDA TO THIS WEB PAGE, BUT WILL NOT NOTIFY.


The undersigned acknowledges receipt of Addenda numbers: 1

ANTI-COLLUSION STATEMENT

**THE BELOW SIGNED BIDDER HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS BID WITH OTHER BIDDERS AND HAS NOT COLLUDED WITH ANY OTHER BIDDER OR PARTIES TO A BID WHATSOEVER. NOTE: NO PREMIUMS, REBATES OR GRATUITIES TO ANY EMPLOYEE OR AGENT ARE PERMITTED EITHER WITH, PRIOR TO, OR AFTER ANY DELIVERY OF MATERIALS. ANY SUCH VIOLATION WILL RESULT IN THE CANCELLATION AND/OR RETURN OF MATERIALS (AS APPLICABLE).**

FIRM NAME: CURRY CONTROLS COMPANY

BY (Printed): DANIEL L. CURRY

BY (Signature): 

TITLE: CORPORATE SECRETARY

FEDERAL ID # OR S.S.# 59-1437405

ADDRESS: 4245 SOUTH PIPKIN ROAD  
LAKELAND; FL 33811

PHONE NO.: 863-646-5781

FAX NO.: 863-646-3899

CELLULAR PHONE/PAGER NO.: 813-951-1778

DUNS#: 06-278-4475

LEE COUNTY LOCAL BUSINESS TAX ACCOUNT NUMBER:  
N/A

E-MAIL ADDRESS: dannyc@currycontrols.com

DISADVANTAGED BUSINESS ENTERPRISE (DBE): Yes  No

**TAB**

**9**

AFFIDAVIT CERTIFICATION  
IMMIGRATION LAWS

SOLICITATION NO.: RFQ130310 PROJECT NAME: CONTROL, TELEMETRY, SECURITY AND  
SCADA INTEGRATION SERVICES

LEE COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY CONTRACTOR WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 a(e) (SECTION 274A(e) OF THE IMMIGRATION AND NATIONALITY ACT ("INA").

LEE COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY CONTRACTOR OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(e) OF THE INA. **SUCH VIOLATION BY THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN SECTION 274A(e) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY LEE COUNTY.**

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

[Signature] Company Name: CURRY CONTROLS COMPANY  
[Signature] Title: CORPORATE SECRETARY Date: 4-8-13

STATE OF FLORIDA  
COUNTY OF POLK

The foregoing instrument was signed and acknowledged before me this 8TH day of APRIL 20 13, by DANIEL L. CURRY who has produced

(Print or Type Name) FLORIDA DRIVER'S LICENSE NUMBER  
C600-172-63-063-0 as identification.  
(Type of Identification and Number)

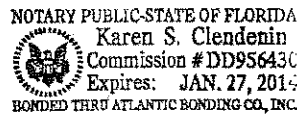
[Signature]  
Notary Public Signature

KAREN S. CLENDENIN

Printed Name of Notary Public

JANUARY 27, 2014 /DD956430

Notary Commission Number/Expiration



The signee of this Affidavit guarantee, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made. **LEE COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION, AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**



**TAB**

**10**

## LEE COUNTY PROCUREMENT MANAGEMENT - BIDDERS CHECK LIST

**IMPORTANT:** Please read carefully and return with your bid proposal. Please check off each of the following items as the necessary action is completed:

1. The Solicitation has been signed and with corporate seal (if applicable).
2. The Solicitation prices offered have been reviewed (if applicable).
3. The price extensions and totals have been checked (if applicable).
4. Substantial and final completion days inserted (if applicable).
5. The original (must be manually signed) and 1 hard copy original and others as specified of the Solicitation has been submitted.
6. Two (2) identical sets of descriptive literature, brochures and/or data (if required) have been submitted under separate cover.
7. All modifications have been acknowledged in the space provided.
8. All addendums issued, if any, have been acknowledged in the space provided.
9. Licenses (if applicable) have been inserted.
10. Erasures or other changes made to the Solicitation document have been initialed by the person signing the Solicitation.
11. Contractor's Qualification Questionnaire and Lee County Contractor History (if applicable).
12. DBE Participation form completed and/or signed or good faith documentation.
13. Bid Bond and/or certified Check, (if required) have been submitted with the Solicitation in amounts indicated.
14. Any Delivery information required is included.
15. Affidavit Certification Immigration Signed and Notarized
16. Local Bidder Preference Affidavit (if applicable)
17. The mailing envelope has been addressed to:
- | <b>MAILING ADDRESS</b>       |    | <b>PHYSICAL ADDRESS</b>              |
|------------------------------|----|--------------------------------------|
| Lee County Procurement Mgmt. |    | Lee County Procurement Mgmt.         |
| P.O. Box 398                 | or | 1825 Hendry St 3 <sup>rd</sup> Floor |
| Ft. Myers, FL 33902-0398     |    | Ft. Myers, FL 33901                  |
18. The mailing envelope **MUST** be sealed and marked with:  
Solicitation Number  
Opening Date and/or Receiving Date
19. The Solicitation will be mailed or delivered in time to be received no later than the specified opening date and time. (Otherwise Solicitation cannot be considered or accepted.)

INFORMAL BID NO.:

  X   20. If submitting a "NO BID" please write Solicitation number here \_\_\_\_\_ and check one of the following:

- Do not offer this product        Insufficient time to respond.
- Unable to meet specifications (why)
- Unable to meet bond or insurance requirement.
- Other: \_\_\_\_\_

Company Name and Address:  
\_\_\_\_\_  
\_\_\_\_\_

**Lee County Board Of County Commissioners  
Agenda Item Summary**

**Blue Sheet No. 20130500**

**1. ACTION REQUESTED/PURPOSE:**

- A) Concur with the recommendation of the Selection Committee to award a contract to five Contractors under RFQ130310 CONTROL, TELEMETRY, SECURITY & SCADA INTEGRATION SERVICES as follows: Blackburn Controls, Inc. dba BCI Technologies (Fort Myers); Curry Controls Company (Lakeland); KW Controls, Inc. (Venice); McKim & Creed, Inc. (Clearwater); and Benro Enterprises, Inc. dba Rocha Controls (Tampa).  
 B) Authorize staff to negotiate on a project-by-project basis with these five Contractors for an initial contract period of two years, with the option to renew for up to three additional one year periods.  
 C) Approve a total annual estimated expenditure for these services in an amount not to exceed \$1,500,000.  
 D) Authorize Chair to execute agreements upon final negotiations.

**2. FUNDING SOURCE:**

Fund: Utilities Operating and Utilities Capital Improvements; Program: Water & Wastewater Treatment Plants & Capital Projects; Projects: Other Contracted Services, Electrical Equipment Upgrades/Replacements, SCADA Upgrades and Improvements, Olga WTP Improvements, Energy Management Initiatives Program; Facility-Wide Security Systems; and County-wide Fiber Optic Network. Funds are budgeted in the LCU Capital Improvement and Operating budgets annually for anticipated costs of new or upgraded equipment and systems.

**3. WHAT ACTION ACCOMPLISHES:**

Provides the County with five contractors to perform work on an "as need" basis. The contractors will provide various repairs, services and new installations of our control, telemetry, security, and SCADA systems at both existing and new facilities.

**4. MANAGEMENT RECOMMENDATION:** Approve

**5. Departmental Category:** C13C

**6. Meeting Date:** 6/18/2013

**7. Agenda:**

Consent

**8. Requirement/Purpose:** (specify)

- Statute  
 Ordinance  
 Admin Code AC-4-4  
 Other

**9. Request Initiated**

**Commissioner:**  
**Department:** UTILITIES  
**Division:** No Divisions  
**By:** Pam Keyes

**10. Background:**

Letters of Qualifications were solicited on behalf of the Board of County Commissioners for RFQ130310 CONTROL, TELEMETRY, SECURITY & SCADA INTEGRATION SERVICES. The deadline for receipt of Letters of Qualifications was April 9, 2013. A total of six Letters of Qualifications were considered at the Committee meeting held on April 22, 2013. The Committee voting members consisted of Pam Keyes, Interim Assistant County Manager, Chair; Doug Meyer, Utilities; and Mikes Maillakakis, Utilities. Based on the information submitted by the Consultants in their Letters of Qualifications, it was the consensus of the Committee to short list five firms for telephone interviews. Telephone interviews were conducted on May 2, 2013 with the "short list" firms.

At the committee meetings the committee members deemed five firms, each scoring a minimum of 30 points out of 50, most qualified. The evaluation was based primarily upon: company qualifications, contractor qualifications, system experience, contractor's history/experience, staff credentials, references, and software application qualifications.

**11. Required Review:**

<i>Pam Keyes</i>	<i>Emma Wolf</i>	<i>David Harris</i>	<i>Robert Franceschini</i>	<i>Dawn Perry-Lehnert</i>	<i>Pam Keyes</i>
UTILITIES	Budget Analyst	Budget Services	Purchasing	County Attorney	Public Works Director

**12. Commission Action:**

On the basis of the information submitted by each firm in their Letter of Qualifications, and after conducting the telephone interviews on May 2, 2013, the consensus of the Committee was to recommend award to, and request Board approval for staff to negotiate on a project-by-project basis with, five firms as follows: Blackburn Controls, Inc. dba BCI Technologies (Fort Myers); Curry Controls Company (Lakeland); KW Controls, Inc. (Venice); McKim & Creed, Inc. (Clearwater); and Benro Enterprises, Inc. dba Rocha Controls (Tampa); with a contract period of two years with the option to renew for three additional one year periods. County staff anticipates the total expenditure for these services will not exceed \$1,500,000.00 annual.

Budgeted projects anticipated under these Agreements include but are not limited to the following:

Project	FY 12/13	FY13/14	FY 14/15	FY 15/16
Olga Chemicals improvements (CIP 7265)	\$700,000			
Pinewoods PLC Upgrade (CIP 7424)	\$300,000			
Ft. Myers Bch control sys. repl. (New CIP)		\$600,000		
Reservoir PLC Upgrades (CIP 7424)			\$150,000	
Citect to Clear Scada Conversion (CIP 7424)			\$150,000	
Misc. Plant controls projects (CIP 7424)	\$100,000	\$100,000	\$100,000	\$100,000
Power Monitoring, Plants (CIP7446)	\$100,000	\$100,000	\$100,000	\$100,000
Security sys integration (CIP 7447)	\$25,000	\$25,000	\$25,000	\$25,000
County Wide Fiber integration (CIP7448)	\$250,000	\$100,000	\$100,000	\$100,000
Scada Pack installation (CIP 7424)		\$200,000	\$200,000	\$200,000
<b>TOTAL</b>	<b>\$1,475,000</b>	<b>\$1,125,000</b>	<b>\$825,000</b>	<b>\$525,000</b>

Funds are available in accounts: OD5360548700.503490, OD5362448700.503490, OD5362848700.53490, OD5360148700.503490, OD5365148700.503490, OD5362948700.503490, OD5361948700.503490, OD5362748700.503490, OD5362048700.503490, OD5362348700.503490, OD5362548700.503490; OD5361548700.503490, 20726548730.506410, 20742948730.506410, 20742448730.506410, 20744648730.506410, 20744748730.506410, and 20744848730.506410.

- Attachment: 1. Sample Contract  
 2. Meeting Minutes dated April 22, 2013  
 3. Telephone Interviews dated May 2, 2013



## Detail by Entity Name

### Florida Profit Corporation

CURRY CONTROLS COMPANY

### Filing Information

Document Number	382774
FEI/EIN Number	591437405
Date Filed	05/25/1971
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	12/26/2012
Event Effective Date	NONE

### Principal Address

4245 S. PIPKIN ROAD  
LAKELAND, FL 33811

Changed: 01/03/2012

### Mailing Address

P.O. BOX 5408  
LAKELAND, FL 33807

Changed: 01/03/2012

### Registered Agent Name & Address

CURRY, DAVID L  
4245 S. PIPKIN ROAD  
LAKELAND, FL 33811

Address Changed: 01/22/2013

### Officer/Director Detail

#### Name & Address

Title PD

CURRY, DAVID L  
1102 LAKE POINT DR  
LAKELAND, FL

Title VP

**CONTRACT REVIEW CHECKLIST**

**CONTRACT TYPE:** CONSTRUCTION CONTRACT

**SUBJECT:** Project known as: RFQ130310 Control, Telemetry, Security & SCADA Integration Services Annual Contract

between Lee County and Curry Controls Company

Reference: Board action approving contract/agreement  
Consent Agenda Item No. C13C on 6/18/2013

The subject contract is forwarded herewith for review and/or endorsements:

(1) By the Director of ROUTED BY PROCUREMENT  
Project Sponsoring Department

- Recommending execution
- Not recommending execution for the following reason(s)

Date received \_\_\_\_\_ Date returned/forwarded \_\_\_\_\_

Signed \_\_\_\_\_

(2) By Procurement Management

- Recommending execution
- Not recommending execution for the following reason(s)

Date received 7/25/13 Date returned/forwarded 7/25/13

Signed Raul Rip

(3) By the Risk Management

- Recommending execution
- Not recommending execution for the following reason(s)

Date received July 29, 13 Date returned/forwarded July 30, 13

Signed \_\_\_\_\_

(4) By the County Attorney

- Recommending execution
- Not recommending execution for the following reason(s)

Date received \_\_\_\_\_ Date returned/forwarded \_\_\_\_\_

Signed DL 7-30-13

- (5) CHAIR OF THE BOARD \_\_\_\_\_
- (6) Clerks Office, Minutes Department 080113 JLO
- (7) PROCUREMENT MGMT. DL

